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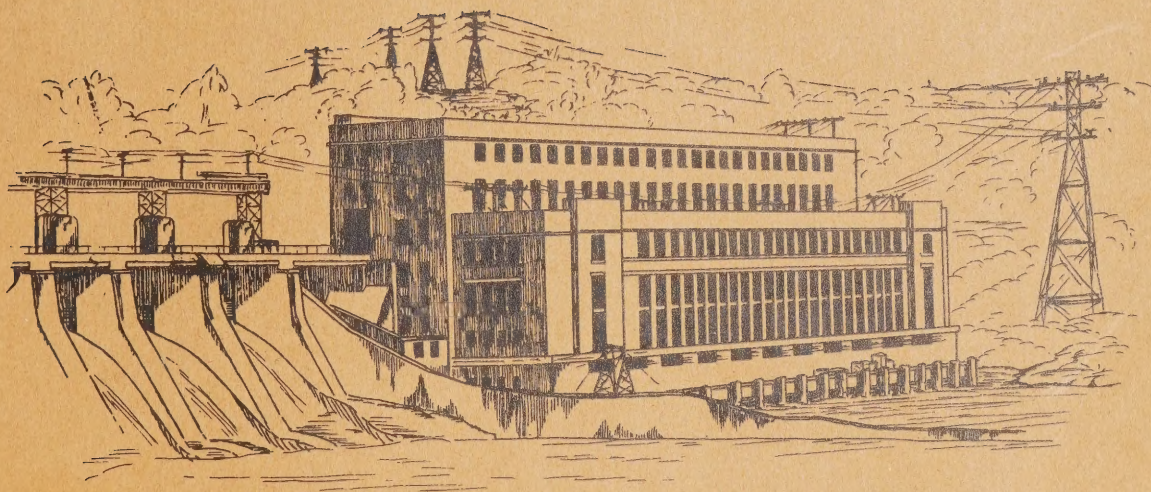
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1950
GOVERNMENT OF CANADA

Electric power statistics

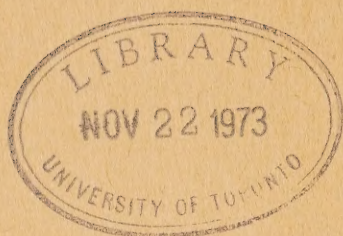
CENTRAL ELECTRIC STATIONS

1950-54



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THE CENTRAL ELECTRIC STATION INDUSTRY

1 9 5 0

Introduction

For purposes of the annual census, central electric stations are defined as companies, municipalities, or individuals selling or distributing electric energy, whether generated by themselves or purchased for resale. The stations are divided into two classes according to ownership, viz., (a) commercial, those operated by companies or individuals, and (b) municipal (or publicly-owned), - those operated by municipal, provincial or federal governments. The stations are also divided according to operation into (a) generating, those stations generating power which they sell (many of them also purchase power to supplement their own output), and (b) non-generating, those stations which purchase practically all the power they sell. In this last class there were 12 stations which were holding generating equipment classed as auxiliary plant equipment. Eight of them purchased all their electric energy and the remaining four generated only 2,214,000 kilowatt hours during 1950. This explains the rather anomalous item in table 12 showing the output of "non-generating" stations.

Included in the report are statistics covering a few stations concerned primarily with other industries, such as mining, manufacturing of pulp and paper, etc., and which sell surplus power. For such plants the statistics pertaining to the central electric station phase of the industry have been segregated as far as possible. Equipment, which is not used primarily for the Central Electric Station Industry, is not shown in the current report, accounting for the drop in the number of units listed for commercial stations as compared with years prior to 1947 and a rise in some provinces in the average number of kw.hrs. generated per H.P. and per K.V.A. as shown in table 12. This applies especially in Saskatchewan, Alberta and in the Yukon and Northwest Territories.

Stations are allowed to file returns for their fiscal years, which are not calendar years in all cases. Consequently, the output as recorded in this annual report will not coincide with the output for the twelve calendar months shown in the monthly reports. The various data, however, in the annual reports are for comparable periods. Moreover, the monthly does not include statistics for the smaller stations and shows the net amount of power generated^x by reporting stations, whereas the annual excludes all power for company use. Further, for long term comparability, the monthly report retains the West Kootenay plants which were dropped from the annual in 1947, as their entire output was taken over by the purchasing company and is reported under the metal smelting and refining industry.

During 1950 primary power consumed in Canada (including all line losses) increased from 39,853,044,000 kilowatt hours in 1949 to 43,677,058,000 kilowatt hours, or by 9.6 per cent, while the consumption of secondary power rose from 2,839,982,000 kilowatt hours in 1949 to 2,893,384,000 or by only 1.9 p.c., reflecting the heavy demand for a steady supply of power.

Secondary power is off-peak or surplus power delivered as it is available. It is subject to interruption or variation daily and seasonally, and consequently is often sold at relatively low rates. The stations endeavour to keep their "secondary" customers advised as much in advance as possible of interruptions or reductions, which may be due to variations in water supply or in the demands of customers for primary power.

x Output less station use.

Primary power, also known in the industry as "firm power", is power delivered as and when demanded or required by the customer. Stations must be ready to deliver power to primary power customers up to the rate contracted for whenever the customer requires it, and consequently must have sufficient capacity or interconnections to take care of all such demands. In practice, all customers on a system do not require their maximum deliveries at the same time and generally there is a considerable difference hourly and daily in the rate at which the power plant must operate to produce the power as required. Most of the secondary power is sold to pulp and paper mills for the production of low pressure steam where short interruptions of electric energy for the boilers can be tolerated without much inconvenience. Secondary sales are confined mainly to Quebec, Ontario and Manitoba, with Quebec using over 65 p.c. of the total secondary consumed in Canada during 1950.

Based on monthly reports, the consumption of primary power has continued to increase steadily since September of 1946 and is currently running about 75 p.c. above that month. Deliveries of secondary power had risen to a peak in 1946 but post war industrial activity and rearmament plus a steadily rising domestic demand reduced the amount of secondary power available to relatively low levels, with only 1,893,384,000 kilowatt hours consumed in Canada in 1950 and 3,136,712,000 in 1951. During 1952 a minor advance in secondary use is indicated over 1951 with the near record addition of new hydro and thermal plant capacity during 1951 and a currently good water supply, although increasing industrial and domestic requirements still threaten to strain existing facilities, particularly in Southern Ontario, where a vast expansion project is underway at Niagara.

During 1950, as illustrated on page 3, the pulp and paper industry continued as the largest overall consumer of electrical energy although the metal smelting and refining industry, of which the aluminium group is the leader, surpassed the pulp and paper industry as a customer of the central electric stations. Some 17.44 p.c. of central station output was delivered to the pulp and paper group compared with 17.24 p.c. in 1949, whereas the metal smelting and refining took 18.7 p.c. during 1950 against 19.2p. in 1949. Residential customers used 5,750,303,000 kilowatt hours in 1950 compared with 5,578,847,000 in 1949 and some 192 p.c. above the 2,310,891,000 kilowatt hours used in 1939 - a remarkable growth in the period. Average used per domestic or residential customer rose 69.5 p.c. in the same comparison.

The net output of electric energy for secondary use in Canada each month is shown below:

SECONDARY POWER FOR USE IN CANADA

(Thousands of Kilowatt Hours)

Month	1946	1947	1948	1949	1950
January	680,016	591,531	227,868	143,678	169,819
February	645,940	566,473	211,963	136,002	194,374
March	728,374	629,033	187,122	157,140	209,277
April	735,281	539,236	255,006	453,584	223,511
May	758,487	574,708	433,290	499,246	422,344
June	679,995	546,714	216,772	382,419	439,123
July	669,444	485,508	150,748	199,735	327,276
August	661,116	385,453	147,229	124,006	200,387
September	589,653	362,825	111,420	137,703	127,020
October	641,481	434,161	114,191	228,065	153,273
November	649,611	265,024	126,923	189,875	171,910
December	628,389	215,678	141,457	188,529	255,070
TOTAL	8,067,487	5,595,344	2,303,987	2,839,382	2,893,384

For the following table, data covering the first 7 groups were taken from the industrial census reports on the industries; the consumption for "other industries" was computed by deduction, and consequently is only approximate. Ferro-alloys and steel furnaces are included under the heading of Primary Iron and Steel, which also covers pig iron and rolling mills. Purchases and generation of mining companies, previously with "other industries", have been segregated since 1949.

DISTRIBUTION AND CONSUMPTION OF ELECTRIC ENERGY GENERATED, 1950
(Thousands of Kilowatt Hours)

Industries	Central Electric Station Power Purchased		Power Generated by the Industries for own use
	Total Central Electric Stn. Power	P.C. of Total Production	
Pulp and Paper	8,456,863	17.44	3,949,244
Primary Iron and Steel	1,721,541	3.55	148,864
Abrasives	725,705	1.50	-
Chemicals	2,455,241	5.06	117,578
Metal, Smelting & Refining	9,044,617	18.65	700,035
Other Manufacturing	5,077,992	10.47	1,350,330
Total Manufacturing	27,481,959	56.67	6,266,051
Mining	2,265,868	4.67	264,232
Other Industries	1,175,158	2.42	
Domestic Service (Residential)	6,750,303	13.92	
Commercial Lighting	2,809,459	5.79	
Municipal Power	781,547	1.61	
Street Lighting	303,276	0.63	
Free Service	85,914	0.18	
Exports to U.S.A.	1,925,867	3.97	
Losses	4,914,367	10.14	
TOTAL OUTPUT OF CENTRAL ELECTRIC STATIONS	48,493,718	100.00	

Electricity is exported from Canada only under licences granted by the Standards Branch of the Department of Trade and Commerce, and the same has jurisdiction over the export duty, which has been imposed since April 1, 1925. During the calendar year ended December 31, 1950, this export duty amounted to \$553,825.39. The rate on electric energy exported is three one-hundredths of one cent per kilowatt hour.

Following is a table showing the quantities of power exported for the calendar years 1949 and 1950. The data for this table were compiled from the reports of the Director of the Standards Branch, Department of Trade and Commerce.

KILOWATT HOURS EXPORTED TO THE UNITED STATES

(Calendar Years 1949 and 1950)

Company	Exported	Exported
	1949	1950
	Kw. Hrs.	Kw. Hrs.
Hydro Electric Power Commission of Ontario	301,036,700	361,458,100
" " " " " " (surplus) - Niagara .	298,762,100	321,400,600
" " " " " " " - Cornwall	36,379,000	25,845,000
Quebec Hydro Commission (via Cedar Rapids Transmission)	648,903,932	639,464,158
Canadian Niagara Power Company, Ltd.	267,802,469	264,955,389
" " " " " (surplus)	39,560,210	35,171,279
Ontario and Minnesota Power Company	22,069,000	36,867,000
Maine and New Brunswick Electric Power Company	37,616,679	40,915,878
British Columbia Electric Railway Company, Ltd.	93,898,036	191,878,084
Northport Power and Light Company	47,016	51,670
Southern Canada Power Company	2,070,212	2,307,880
Northern British Columbia Power Company	35,600	22,030
Fraser Companies, Ltd.	8,251,000	5,211,900
Detroit and Windsor Subway Company	319,800	316,600
Manitoba Power Commission	-	1,068
TOTAL	1,756,751,754	1,925,866,636

Of the total Canadian output of 48,493,718,000 kilowatt hours in 1950, 46,624,218,000 kilowatt hours, or 96.1 per cent, were produced from water power, whereas only 1,608,069,000 kilowatt hours were produced by plants using only thermal engines and 261,431,000 kilowatt hours were produced by thermal auxiliary equipment in hydraulic plants and in non-generating plants.

Total hydraulic installations in all industries in Canada at the close of 1950, including active and inactive plants, as compiled by the Water Resources Division, Department of Resources and Development, were rated at 12,562,750 horse power an increase of nearly 1 million horsepower in the year. The following table shows the available and developed water power in each province to the end of 1951.

POTENTIAL AND DEVELOPED WATER POWER IN CANADA

Province	Available 24-hour Power at 80% Efficiency - end of 1951		Turbine Installation December 31	
	At Ordinary Minimum Flow	At Ordinary Six Months Flow	1 9 5 0	1 9 5 1
	H. P.	H. P.	H. P.	H. P.
Newfoundland	1,135,000	2,585,000	262,810	279,160
Prince Edward Island	500	3,000	2,299	2,299
Nova Scotia	25,500	156,000	150,960	150,960
New Brunswick	123,000	334,000	133,111	132,911
Quebec	10,898,000	20,219,000	6,372,812	6,755,351
Ontario	5,407,000	7,261,000	3,513,840	3,718,505
Manitoba	3,333,000	5,562,000	595,200	596,400
Saskatchewan	550,000	1,120,000	111,835	111,835
Alberta	508,000	1,258,000	107,225	207,825
British Columbia	7,023,000	10,998,000	1,284,208	1,358,808
Yukon & Northwest Territories	382,500	814,000	28,450	28,450
CANADA.....	29,385,500	50,310,000	12,562,750	13,342,504

The horse power figures based on flow in columns 2 and 3 are estimated only upon rapids, falls and power sites of which the actual drop or head possible of concentration is definitely known or reasonably well established and represent only the minimum possibilities. Many water-powers of greater or less capacity from coast to coast have not yet been recorded, which will considerably increase the totals. With the construction of storage basins and other regulating works, these potential power figures could be further increased. It is common practice, and feasible in most developments, to install equipment with capacity much greater than the theoretical continuous power of the waterfall and on this basis it is estimated that the maximum economic turbine installation capacity of the recorded water-powers of Canada was more than 55,000,000 horse power at the end of 1950. Vast reserves of power beckon industry still farther northward; and the distance that power can be economically transmitted is being increased well beyond 300 miles.

Figuratively, nearly every Canadian has the miracle of an "electric horse" at his command to help him do his work, to light his way, to chill or cook his food, to power his machine, to drive his train or train, to bring him music, video and entertainment, to turn night into day, and do a thousand and one things with incredible speed and efficiency. The miracle of electricity has made possible our relatively high standard of living and the tremendous development of the past half century. It has sired our huge pulp and paper, aluminium, chemical, electrical industries, atomic research, and so on. Its magic has opened the wilderness and caused great towns and industries to rise where tiny villages stood. More than any one material factor, abundant electric power has made Canada industrially great and helped immeasurably to preserve us against aggression."

TABLE 1 - (Page 14) - COMPARATIVE SUMMARY, 1939 - 1950

In the period from 1939 to 1950 the revenues of central electric stations have climbed from \$151,880,969 to \$323,833,465, an increase of 113.2 p.c., while electric energy generated advanced from 28,338 million kilowatt hours to nearly 48,494 million or by 71 p.c. The number of customers served also rose appreciably in all classes, with domestic consumers, including farm service, numbering 2,797,378 by 1950, an increase of 1,173,706 or 72 p.c. over the 11 year span. Average consumption rose almost 70 p.c. in a similar comparison for domestic customers.

With the steady expansion of publicly-owned facilities, municipal, provincial and federal systems secured 58.22 p.c. of total revenues for 1950 compared with 39.07 p.c. in 1939. Revenues reported by all distributors from domestic service brought \$109,015,402 for 1950 compared with \$90,302,748 in 1949 and \$43,793,482 in 1939. Commercial lighting produced \$57,367,084 or \$8,292,441 more than in 1949 while large power users, such as paper mills, smelters and factories, paid \$130,399,267 in 1950 against \$116,304,614 during the preceding year.

Expenses reported, which include only the four items - wages, fuel, taxes and cost of power purchased advanced to \$233,475,040 from \$205,130,467 in 1949. Taxes were up \$3,512,435 to \$31,823,530. Details are shown at the top of page 10, indicating a rise in municipal, provincial and federal taxes paid by both commercial and municipal stations over 1949. Salaries and wages totalled \$88,988,681 against \$78,272,815 as employees rose by 1,127 to 32,873. Cost of purchased power (interchanged between stations) increased from \$88,361,915 in 1949 to \$102,176,561. Fuel costs rose to \$10,486,268 from \$10,184,642 with the cost per gallon of fuel oil down a little from 1949.

Pole line mileage continued to advance at 151,726 miles compared with 135,329 miles in 1949 and 113,411 miles in 1948. Customers numbered 3,269,824, an increase of 193,455 or 6.29 p.c. over 1949 and 68 p.c. over the 1939 figure. In the same span the population of Canada rose about 22 p.c. Domestic (including farm) customers represented over 85 p.c. of the national total in 1950.

Generation by all reporting stations during 1950 totalled 48,493,718,000 kilowatt hours, of which 1,925,867,000 were exported to the United States. Imports were only 2,591,000 kilowatt hours sharply down from the three previous years and mainly into British Columbia. Commercial stations generated 28,432,404,000 compared with 26,731,889,000 kilowatt hours in 1949 while municipal stations accounted for 20,061,314,000 or 41.4 p.c. of the national total in 1950 against 39.8 p.c. in the preceding year. New installations and improved precipitation in eastern regions contributed to the general advance over 1949.

However, municipal or publicly-owned stations purchased considerable of the output of commercial stations at wholesale and distributed it to their widespread customers. This is particularly true of Western Quebec where commercial stations, such as those of Gatineau Power and MacLaren deliver a large part of their production across the Ottawa River to the Ontario Hydro-Electric Power Commission system. Revenues of municipal stations were \$182,062,239 in 1950 compared with \$141,771,226 for commercial stations and the municipal group had over twice as many customers as the commercial.

The total capacity of primary equipment in central station main plants registered an increase of about 10 p.c. from 1949, advancing from 10,637,798 to 11,703,161 horse power. Primary here signifies water wheels and turbines, steam and internal combustion engines used to operate generators, which in turn are classed as secondary power equipment.

(Note) Some comparisons with years previous to 1947 are affected by the Consolidated Mining and Smelting Company taking over the West Kootenay central electric plants 2, 3, 4 and 5 in British Columbia and absorbing the plants and their output as part of the mining and smelting industrial group.

TABLE 2 - (Page 16) - DOMESTIC SERVICE, 1939 - 1950

This table illustrates the steady growth in the number of domestic customers, total consumption, revenue, average consumption per customer and in the annual average bill over the period from 1939 to 1950, for Canada and in each province. Contrasting with these advances in the industry is the noteworthy decrease in revenue per kilowatt hour - a unique exception in an era of steeply rising prices. This is confirmed by the annual index of cost of electricity for domestic service which dropped from 103.3 in 1939 (on the 1935-39 base of 100) to 90.0 in 1950.

In all provinces the number of domestic customers, including farms, registered encouraging gains during this period, the percentage increases ranging from 53.4 p.c. in Ontario to 105.5 p.c. in New Brunswick. The greater use of electricity is illustrated by the considerable advance in the average kilowatt hours purchased per customer with the Canada total at 2,413 kw. hrs. for 1950 compared with only 1,423 in 1939 - a rise of almost 70 p.c. Ontario's consumption rose over 73 p.c. per domestic customer from an average of 1,909 to 3,317 kw. hrs., but the average bill increased only 48 p.c. The rate of consumption also climbed steadily in all other provinces with the Maritimes, Quebec, Alberta and British Columbia registering large increases. Revenues from domestic sales totalled \$109,015,402 in 1950, 148.9 p.c. or \$65,221,920 above the \$43,793,482 reported for 1939 and \$18,712,654 more than in 1949. The average annual consumption per domestic customer varied widely between provinces, Manitoba still leading with a 1950 average of 4,783 kw. hrs., due mainly to flat rate water heaters, while New Brunswick and Prince Edward Island showed the lowest averages. Ontario was second with 3,317 kw. hrs. followed by British Columbia with 2,182 and Quebec with 1,541 kw. hrs.

Compared with the spectacular growth in consumption, the annual average bills registered moderate year to year increases over the past twelve years. The 1950 average bill stood at \$88.97 against \$26.97 for 1939, an increase of 44 p.c., whereas consumption per customer rose nearly 70 p.c. Provincial bills ranged from \$56.69 for Prince Edward Island to \$27.57 for Newfoundland while average domestic service revenue per kilowatt hour in Canada was 1.61 cents in 1950, little changed from 1949 but 15.3 p.c. under the 1.9 cents per kilowatt hour received in 1939. The bills exclude federal, provincial or municipal taxes on electricity purchased. Prince Edward Island, New Brunswick, Saskatchewan and Alberta average revenues are affected by the higher costs of thermal generation from coal, etc., while the Manitoba revenue is lowest due to the widespread use of flat rate water heaters.

A comparison with other countries shows Canadians enjoy one of the lowest rates per kilowatt hour in the world. In the United States the average revenue per kilowatt hour sold to residential or domestic customers averaged 2.88 cents in 1950 against 1.61 cents per kilowatt hour in Canada. Commercial and industrial sales in the United States fetched 1.4 cents per kilowatt hour compared with 0.6 cents for Canada in the same year.

TABLE 3 - (Page 18) - POWER PLANTS

Generating stations are the individual power plants of the central electric organizations. Each building housing power-producing machinery is counted as a generating station. The commercial organizations

are companies or individuals selling electric energy and the municipal group includes urban and rural municipalities, provincial commissions, etc. selling power. Those generating power may operate from one to several power plants each, sometimes sited at different falls or rapids on the same river as the Gatineau, Ottawa, etc. The largest system serving 1,132 municipalities is the Ontario Hydro-Electric Power Commission which operated 64 hydraulic plants and 7 fuel-electric generating plants in 1950. The auxiliary or standby plants are thermal power equipment belonging to hydraulic systems or non-generating systems and are not included as generating stations.

Of the 665 plants reporting operations during 1950, 348 were hydraulic, principally in Ontario, Quebec and British Columbia, while 317 were thermal situated mainly in Saskatchewan and Alberta. However, the hydraulic stations generated almost 97 p.c. of the power produced in Canada during the year.

TABLE 4 - (Pages 20-21) - REVENUES

Central electric stations report a division of customers, consumption and revenue according to the following headings: (1) farm service, (2) domestic service, which includes lighting and all other residential uses, (3) commercial light, (4) power, small, 50 kw. and under, (5) power, large, over 50 kw., (6) power, municipal, mainly used in municipal water pumping stations, (7) sales to distributing companies, and (8) street lighting; and also, the quantity of electricity supplied free to public buildings, company towns, etc.

The revenue is the gross revenue less cost of power, or is the revenue received from the consumers, except where power is purchased by a station in one province from a station in another province, the cost of such power is not deducted in computing provincial data, but is deducted in computing the national totals.

The average revenues per kilowatt hour sold are affected by many factors and are not always indicative of the relative costs for similar services. The averages for domestic services and for commercial lighting are for more or less identical services for each station, but even here the use of electric stoves, space heaters, flat rate water heaters, the source of supply, the firm power load, the market for off-peak and surplus power, and the cost of generation, transmission, and distribution all affect the rates. Domestic service data are discussed further at the end of the text. As might be expected, Quebec stations with their enormous sales to pulp and paper mills, aluminium plants, wholesale to Ontario, etc., showed a smaller proportion of revenue from domestic service than any other stations, excepting those in the Yukon - Northwest Territories, although greater in dollars than those in other provinces except Ontario. In computing the average total revenue per kilowatt hour, all line losses were included, but for domestic service and farm services, for commercial light, etc., line losses were not included, the consumptions for these services being measured at the consumers' meters. The average revenue per kilowatt hour consumed for each province is the revenue received from ultimate consumers within each province plus revenue received for power exported from the province, divided by the total kilowatt hours so sold, including all line losses. The average revenues per kilowatt hour for domestic service are affected by the consumption per customer and by the relative quantities used for lighting, cooking and water heaters, etc.; often different rates apply to these varied services. In most municipalities, when the consumption increases, the average cost per kilowatt hour to the consumer decreases. Also, where flat rates apply to water heaters, the average cost per kilowatt hour for all domestic services is reduced and, as the number of flat rate heaters is increased, the average for the municipality or province is decreased, unless offset by increases in rates elsewhere. The average revenue of 1.61 cents per kilowatt hour for all domestic service (or 1.54 cents with farm

service excluded) compares with an average of 2.88 cents in the United States, almost 79 p.c. above the Canadian figure. About 71 p.c. of U.S. generation in 1950 was by steam and internal combustion engine compared with only 3.9 p.c. in Canada. The average revenues per horse power and per kilovolt ampere are affected by the classes of service and their relative importance in each province. Quebec stations sell large quantities of power to Ontario distributors. The Quebec stations are credited with the wholesale revenue and the Ontario stations with the retail revenue from this power. In computing the averages for Ontario stations, the equipment capacities shown in table 12 were increased one horse power for each 4,576 kilowatt hours imported from Quebec stations and one kilovolt ampere for each 6,136 kilowatt hours imported. This is only an estimate of the equipment and was based on the Ontario Hydro-Electric Power Commission's contracts with Quebec companies which call for 88 kilowatt hours per week for each horsepower purchased. It is probable this output may be a little too high for all the power imported from Quebec, and consequently the divisors are too small and the average revenues are too high. This is also true in classes where the generating equipment is credited to other industries. However, it is not likely the errors are large and the adjusted averages are more nearly comparable with the averages for the other provinces than the unadjusted averages as shown in reports previous to 1936. The imports into other provinces are relatively so small that their effects on the averages would be negligible.

Provincial and municipal taxes on domestic bills, where imposed, have not been included as either revenue or expenses. In Quebec a 2 p.c. provincial tax was in effect while in Saskatchewan and British Columbia a sales tax of 3 p.c. was collected. (For further details see "cost of Electricity for Domestic Service, etc. 1951" published by D. B. S.)

TABLE 5 - (Pages 22-23) - EXPENSES

This table includes only the four expense items, (1) salaries and wages, (2) fuel, (3) taxes and (4) cost of purchased power. The last is an intra-industry expense and might be omitted from the expenses of the industry as a whole. It shows, however, the extent of purchases of power by the different groups of stations. The cost of power item includes the cost to municipalities receiving their supply from provincial commissions as well as the interchange of power between generating stations and also between generating and non-generating. As explained above, the sales taxes on domestic bills have not been included in the taxes given in this table.

To supplement Table 5, the details of taxes reported by commercial and municipal stations follow on page 10. Only in the few cases, where the station absorbed the sales taxes, are such taxes included. Water rentals, also, are excluded. The Federal unemployment insurance tax did not apply generally to utility employees until September 1, 1943, and apparently some stations still did not include the employer payments as a Federal tax in 1950. Similarly, all stations did not include under taxes, the federal and provincial taxes on gasoline used by their vehicles, etc. It is common practice to treat sales tax as part of the cost of the commodity. The Federal tax included income and excess profits tax, tax on exports of electricity, and the two mentioned above. The greater part of the municipal tax paid by municipal stations, was tax payments continued by the Ontario Hydro-Electric Commission on plants acquired from commercial stations, and in Quebec export taxes and other taxes paid by the Quebec Hydro-Electric Commission, principally to the City of Montreal. In addition, the Quebec Commission was obligated to contribute \$2,240,000 to the provincial Education Fund, which item was not reported as a tax until 1947. Total taxes reported by the industry during 1950, including the contribution of Quebec Hydro, were \$31,823,530. Commercial stations paid about 79 p.c. of the tax total while securing under 44 p.c. of total revenues for the industry.

REPORTED TAXES, 1950

Provinces	Commercial Stations				Municipal or Publicly Owned Stations			
	Municipal	Provincial	Federal	Total Taxes	Municipal	Provincial	Federal	Total Taxes
Newfoundland	22,928	27,897	192,960	243,785	-	-	50	50
P. E. Island	28,841	4,128	29,778	62,747	-	-	-	-
Nova Scotia	407,059	73,639	427,829	908,527	91,311	1,563	2,706	95,580
New Brunswick	82,819	30,658	153,171	266,648	1,272	1,537	372	3,181
Quebec	2,874,959	4,735,163	7,933,889	15,544,011	747,170	3,175,829	149,505	4,072,504
Ontario	448,269	206,621	1,001,773	1,656,663	936,325	127,884	777,776	1,841,985
Manitoba	179,774	3,289	16,658	199,721	144,558	-	19,590	164,148
Saskatchewan	34,143	10,661	129,932	174,736	97,579	-	-	97,579
Alberta	90,527	152,376	1,015,025	1,257,928	323,472	-	4,019	327,491
British Columbia	860,831	361,584	3,584,146	4,806,561	73,330	8,630	184	82,144
Yukon & N.W.T.	2,379	1,762	13,400	17,541	-	-	-	-
Total	5,032,529	5,607,778	14,498,561	25,138,868	2,415,017	3,315,443	954,202	6,684,662
Total-Commercial Stns.	5,032,529	5,607,778	14,498,561	25,138,868				
" -Municipal "	2,415,017	3,315,443	954,202	6,684,662				
Total	7,447,546	8,923,221	15,452,763	31,823,530				

TABLE 6 (Pages 24-25) - EMPLOYEES

There was an increase of 1,127 employees during the year with all provinces, excepting Nova Scotia, reporting heavier employment. The total at 32,873 included 11,601 in commercial and 21,272 employees in municipal stations. Some 25,427 were engaged in generating stations and 7,446 in non-generating or distributive organizations. Employment totals are based on the average number of employees per month. The decline in Nova Scotia was mostly in the wage-earner group of Municipal Stations and due in part to a heavier construction program in 1949 than in 1950.

On a provincial basis, 40.4 p.c. of the national total were employed in Ontario, 24.1 p.c. in Quebec, 8.3 p.c. in British Columbia, 0.2 p.c. in Yukon-N.W.T., 15.8 p.c. on the Prairies and 11.2 p.c. in the Atlantic Provinces. Some 11,635 employees were on salaries while 21,238 were on wages. Among the generating stations, hydraulic operations required 21,749 employees, while fuel stations producing but 3.3 p.c. of the electric energy generated during 1950 employed 3,678 persons, indicating one reason for higher unit costs in thermal plants.

TABLE 7 (Pages 26-27) - CUSTOMERS

As outlined under Table 4, stations report a segregation of customers into seven classes, but in the past many stations included farm customers with domestic customers, and in the Bureau's reports all customers in these two classes consequently were combined under "Domestic Customers". On Page 11 is a table giving the farm customers as reported, together with the respective consumptions and revenues received from them. Such revenues do not include taxes paid by the consumer, as previously explained. Due to the increasing activity in rural electrification, it is probable that current data are more comprehensive than

previously reported. Farm customers added during 1950 totalled 52,861 and the total at 303,727 was up 21.1 p.c. over 1949. Farm and residential services are combined under "Domestic" in tables 2, 4, 7 and 12 as in previous years for comparative purposes. The relatively large number of farm customers and the low average revenue per kilowatt hour in Ontario reflects the assistance given by the Ontario Government to this class of service. The number of farm customers in Ontario for years previous to 1944 included rural customers in hamlets. With over 623,000 occupied farms in Canada (on the 1951 Census basis) the total of 303,727 farm customers indicates that over 48 p.c. enjoyed the benefits of power line service at the end of 1950 compared with about four-fifths of the farms in the United States. However, many other Canadian farms generate their own electricity by the use of engines, windmills, etc. The continued extension of farm electrification represents a great potential market for electrical appliances and equipment, as well as power. Between 1941 and 1951 the number of gasoline engines used for power purposes on Canadian farms increased 9 per cent from 168,225 to 183,041. At the same time the number of electric motors rose 238 per cent from 58,192 to 196,681. Electricity is the cheapest and most efficient labor the farmer can hire.

FARM SERVICE, 1950

Province	Number of Customers	Kilowatt Hours	Revenue	Kw. Hrs. per Customer	Average(1) Annual Bill	Revenue(1) per Kw. Hr.	P.C. of Total Farm Service Consumption
			\$		\$	¢	%
Prince Edward Island ..	4,916	4,445,837	273,508	904	55.64	6.2	0.75
Nova Scotia	18,371	13,788,320	545,182	751	29.68	4.0	2.35
New Brunswick	x 31,721	23,381,425	1,160,836	737	36.60	5.0	3.99
Quebec	83,618	78,472,220	2,654,548	938	31.75	3.4	13.37
Ontario	119,018	371,217,464	6,848,172	3,119	57.54	1.8	63.27
Manitoba	16,964	40,017,358	1,238,866	2,359	73.03	3.1	6.82
Saskatchewan	4,057	3,571,983	247,133	880	60.92	6.9	0.61
Alberta	7,866	17,698,835	598,608	2,250	76.10	3.4	3.02
British Columbia	17,196	34,155,084	748,781	1,986	43.54	2.2	5.82
Canada	303,727	586,748,526	14,315,634	1,932	47.13	2.4	100.00

(1) Federal, Provincial and Municipal taxes on the electricity purchased are not included.

x Revised basis, not comparable with years previous to 1948.

Note: No farm service reported separately in Yukon - N.W.T. or Newfoundland.

TABLE 8 - POLE LINE MILEAGE - (Pages 28-29)

Transmission and distribution lines are combined in this table and a division has been made showing the mileage on steel towers and poles, wooden poles, concrete poles and in submarine and underground cables. The last includes systems in cities and lines laid in trenches along the roadside serving rural customers. The steel towers and steel poles are used almost exclusively for high voltage transmission lines and only Quebec, Ontario and Manitoba had extensive mileages.

TABLES 9 - 10 - 11 - 14 - EQUIPMENT - (Pages 28-33, 38-39)

The equipment of the power houses has been divided into two classes: main plant, and auxiliary, or

standby equipment. The auxiliary plant equipment includes all steam engines and turbines and internal combustion engines and dynamos driven by them in hydro-electric stations and all the equipment in non-generating stations. All other equipment is classed as main plant equipment and includes water wheels and turbines and generators driven by them in hydro-electric stations and all equipment in plants using thermal equipment only. It is quite possible that some of the fuel stations have equipment held as standby equipment for use only in emergencies or for occasional peaks and also that some hydraulic stations have hydraulic equipment similarly held, but it is all classified as main plant equipment. Although a few of the hydro-electric stations use their steam equipment during periods of low water and during periods of heavy demand, the greater part of it is held strictly in reserve for emergencies, only 269,217,000 kilowatt hours being generated during the year by this auxiliary equipment. As mentioned on page 1, equipment which is not used primarily for the central electric station industry has been omitted from the current compilation.

TABLE 12 - ELECTRIC ENERGY GENERATED - (Pages 34-35)

The electric energy generated is the output at the power plants less power used for the operation of the plants, and consequently includes all transformer and line losses entailed in delivering power to the ultimate consumers. The Kv.A. capacities shown were the rated dynamo capacities at the close of the year of both main and auxiliary plants of generating stations. The ratios indicate the relative position of the supply to the demand on a kilowatt hour basis. This ratio is affected by other factors; one is the relationship of installed capacity to water available for hydraulic plants. This changes from month to month and from year to year while another factor is the production and sale of secondary power. A market for secondary power makes possible a greater production of kilowatt hours per unit of capacity than a market of firm power for the same installation. A few stations have found a market for their off-peak and surplus power by selling it for use in electric boilers and this class of sale grew quite rapidly, especially up to 1937. After the outbreak of the war the supply of surplus power was greatly reduced and with war industries working twenty-four hours per day, the supply of off-peak power was also considerably curtailed so that sales of secondary power showed a steady decrease up to the middle of 1943. However, they then began to increase and continued the upward trend throughout 1944, 1945 and 1946. Subsequent to August, 1946, declining amounts of secondary power were available and production, as reported monthly, dropped from 9,141,804,000 in 1946 to 6,233,861,000 kilowatt hours in 1947, and to a low of 2,610,308,000 in 1948, but recovered to 3,279,886,000 in 1950 and to 3,894,178,000 in 1951 as supply conditions improved with the addition of new plants and heavier snow and rainfall.

TABLE 13 - FUEL - (Pages 36-37)

Fuel used was principally domestic or local coal, oil and manufactured gas with stations in the Maritimes, Saskatchewan and Alberta, the largest users. The value of Canadian bituminous and sub-bituminous coal was 50.25 p.c. of the total fuel bill; fuel oil and diesel oil accounted for 30.32 p.c., and lignite coal, gasoline, gas, etc., the remainder. Fuel consumed was valued at \$10,486,268 compared with \$10,184,642 in 1949. All coal consumed cost an average of \$5.54 per ton as against \$5.43 one year earlier, while fuel and diesel oil was down from 9.50 cents to 8.74 cents a gallon. The consumption of natural gas in Alberta was more than double the amount used in 1949, and shows considerable promise as a cheaper generating fuel in the west. Coal cost per ton had risen almost 86 p.c. since 1939 and oil about 28 p.c. per gallon.

DOMESTIC SERVICE

In the following table, data on domestic customers are brought together and analysed. As might be

expected the provinces with relatively high percentages of rural populations, Newfoundland, Prince Edward Island, Saskatchewan, Alberta and the Yukon - N.W.T. show the lowest number of customers per 100 population. The average cost per kilowatt hour is greatly affected by the nature of the use. Manitoba's low unit cost and high average consumption are influenced by flat rate water heaters and extensive use for cooking in Winnipeg; these induce high consumption per customer. There was also a large number of flat rate water heaters in Ontario. Further, where hydro-electric power is plentiful, the rates are generally low and the average consumption high. The very low percentage of total power used by domestic customers in Quebec is affected by large exports to Ontario and heavy consumption by pulp and paper, aluminium and other electric metallurgical plants. In the Yukon and Northwest Territories, the per centage used by domestic service is low, due to the large mining and smelting consumption relative to population.

During 1950 domestic customers in Ontario consumed 54.3 per cent of the total power used by all domestic customers in Canada, whereas the population of this province was less than a third of the total for the nation.

The average bills do not include federal, provincial and municipal sales taxes paid by the consumers.

(1) DOMESTIC SERVICE

1950

Province	Number of Customers		Average Bill for Year	Average per Kilowatt Hour	Average Annual Consumption		Consumption by Domestic Service	
	Total	Per 100 Population			Per Customer	Per Capita	P.C. of (2) total Power used in Province	P.C. of total Domestic Power used in Canada
			\$	¢	Kw. Hrs.	Kw.Hrs.		
Newfoundland	30,311	8.64	27.57	2.09	1,321	114	27.16	0.59
P. E. Island	10,298	10.73	56.69	5.55	1,022	110	36.23	0.16
Nova Scotia	124,860	19.57	35.41	3.00	1,181	231	19.50	2.19
New Brunswick	95,540	18.66	39.22	3.83	1,023	191	14.70	1.45
Quebec	778,878	19.62	30.58	1.99	1,541	302	5.59	17.77
Ontario	1,104,317	24.70	40.50	1.22	3,317	819	21.68	54.26
Manitoba	144,122	18.77	55.08	1.15	4,783	898	23.58	10.21
Saskatchewan	94,734	11.37	51.42	3.80	1,353	154	29.86	1.90
Alberta	134,132	14.69	40.15	3.28	1,224	180	18.54	2.43
British Columbia	278,417	24.49	44.99	2.06	2,182	534	26.09	9.00
Yukon & N.W.T.	1,769	7.37	92.23	6.49	1,422	105	4.23	0.04
Canada	2,797,378	20.40	38.97	1.61	2,413	492	14.49	100.00

(1) Includes Farm Customers.

(2) Including line and transformer losses.

TABLE 1 - COMPARATIVE SUMMARY, 1939 - 1950

PRINCIPAL DATA BY CLASS OF STATION	1950	1949	1948	1947	1946
ELECTRIC POWER PLANTS (Generating)					
Total	585	650	635	607	600
Hydraulic	346	341	309	310	305
Fuel	317	309	326	297	295
Commercial	395	391	393	377	397
Municipal	270	289	242	230	203
REVENUE (1)					
Total	\$ 323,833,465	\$ 280,311,624	\$ 257,377,490	(4) 243,705,976	\$ 226,096,273
Commercial	\$ 141,771,226	\$ 129,481,120	\$ 119,032,951	\$ 114,639,557	\$ 108,668,772
Municipal	\$ 182,062,239	\$ 150,830,504	\$ 138,344,539	\$ 129,066,419	\$ 117,427,501
Generating	\$ 283,445,853	\$ 246,086,487	\$ 224,983,155	\$ 213,904,209	\$ 192,214,412
Non-generating	\$ 40,387,612	\$ 34,225,137	\$ 32,394,335	\$ 29,801,767	\$ 33,881,861
EXPENSES (2)					
Total	\$ 233,475,040	\$ 205,130,467	\$ 180,210,931	(4) 177,359,696	\$ 156,708,176
Commercial	\$ 83,780,453	\$ 79,560,846	\$ 70,316,885	\$ 67,279,703	\$ 67,664,274
Municipal	\$ 149,694,587	\$ 125,569,621	\$ 109,894,046	\$ 110,079,993	\$ 89,043,902
Generating	\$ 154,961,646	\$ 136,881,078	\$ 120,889,466	\$ 122,714,865	\$ 100,708,844
Non-generating	\$ 78,513,394	\$ 68,249,389	\$ 59,321,465	\$ 54,644,831	\$ 55,999,332
POLE LINE MILEAGE					
Total	151,726	135,329	(4) 113,411	98,530	89,231
Commercial	54,745	49,086	41,251	35,891	33,184
Municipal	96,981	86,243	72,160	62,639	56,047
Generating	117,299	106,396	90,810	79,761	71,936
Non-generating	34,427	28,933	22,601	18,769	17,295
CUSTOMERS					
Total	3,269,824	3,076,369	2,822,027	2,643,327	2,476,830
Domestic service (3)	2,797,378	2,619,831	2,398,847	2,246,253	2,104,549
Commercial light	392,530	379,526	348,673	326,988	306,592
Power (small)	60,700	58,600	56,210	53,604	50,254
Power (large)	14,708	14,208	13,305	12,826	11,846
Power (municipal)	1,013	964	890	838	887
Street lighting	3,495	3,240	3,102	2,819	2,702
Commercial stations	1,068,867	1,042,951	937,385	870,408	826,091
Municipal stations	2,200,957	2,033,418	1,884,042	1,772,919	1,650,739
Generating stations	2,099,726	1,934,639	1,741,055	1,616,520	1,354,763
Non-generating stations	1,180,098	1,141,730	1,080,972	1,026,807	1,122,067
ELECTRIC ENERGY GENERATED					
Total kilowatt Hours (thousands)	48,493,718	44,418,573	42,389,681	43,424,799	41,736,987
Commercial	28,432,404	26,731,889	25,697,293	27,665,524	26,997,716
Municipal	20,061,314	17,686,684	16,692,388	15,759,275	14,739,271
Generated by water	46,624,218	42,779,199	41,070,095	42,273,167	40,692,395
Generated by fuel	1,869,500	1,639,374	1,319,586	1,151,632	1,044,592
Exports to the United States (Thousands) . Kw.h.	1,925,867	1,756,752	1,743,108	2,066,487	2,481,631
Imports from the United States .. (Thousands) . Kw.h.	2,591	31,205	86,391	53,037	9,527
EQUIPMENT IN GENERATING STATIONS (Main Plant only)					
Total Primary Power	11,703,161	10,637,798	10,038,541	9,601,157	9,825,469
In commercial stations	6,716,066	6,429,303	6,045,218	5,936,125	6,301,996
In municipal stations	4,987,095	4,208,495	3,993,323	3,665,032	3,523,463
Total Secondary Power	9,725,393	8,890,292	8,379,039	7,984,488	8,162,896
In commercial stations	5,600,662	5,404,088	5,064,811	4,950,862	5,233,480
In municipal stations	4,124,731	3,486,204	3,314,228	3,033,626	2,929,416
AUXILIARY PLANT EQUIPMENT					
Primary power	273,080	245,478	181,055	184,930	176,253
Secondary power	234,824	213,410	135,470	154,199	149,462

Note: Data on Capital not collected after 1943, when the total was \$1,778,224,640.

(1) Cost of power interchanged between stations excluded from revenue of purchasing stations (see page 8).

(2) Includes wages, cost of power, fuel and taxes, but not other expenses.

(3) Farm service is included with domestic service.

(4) Revised.

TABLEAU 1 - SOMMAIRE COMPARATIF, 1939 - 1950

1945	1943	1942	1941	1939	DONNEES PRINCIPALES PAR CLASSES D'USINES
					USINES ELECTRIQUES (Génératrices)
600	622	616	607	611	Total
302	322	320	313	313	Hydrauliques
298	300	296	294	298	A combustible
392	425	428	424	427	Commerciales
208	197	188	183	184	Municipales
					RECETTES (1)
215,105,473	204,801,508	203,835,365	186,018,040	151,880,969	Total
101,672,511	124,730,993	124,611,713	111,851,778	92,535,049	Commerciales
113,432,962	80,070,515	79,223,652	74,166,262	59,345,920	Municipales
183,227,685	175,217,757	173,916,640	157,283,409	127,483,222	Génératrices
31,877,788	29,583,751	29,918,725	28,734,631	24,397,747	Non-génératrices
					DEPENSES (2)
135,104,091	135,555,469	132,581,418	117,758,977	91,982,372	Total
60,893,580	72,579,621	71,133,382	60,561,621	42,471,534	Commerciales
74,210,511	62,975,848	61,448,036	57,197,356	49,510,838	Municipales
83,336,610	81,500,674	80,171,586	69,148,513	51,570,137	Génératrices
51,767,481	54,054,795	52,409,832	48,610,464	40,412,235	Non-génératrices
					LIGNES SUR POTEAUX
83,178	78,063	77,909	77,253	72,132	Total
31,117	32,085	31,847	31,442	30,288	Commerciales
52,061	45,978	46,062	45,811	41,844	Municipales
66,694	61,710	61,927	61,495	57,084	Génératrices
16,484	16,353	15,982	15,758	15,048	Non-génératrices
					ABONNES
2,333,230	2,164,861	2,125,304	2,081,270	1,941,663	Total
1,987,360	1,848,080	1,803,708	1,755,917	1,623,672	Service domestique (3)
285,402	259,640	264,706	268,977	262,590	Eclairage commercial
46,955	44,948	44,813	44,071	43,896	Force motrice (petite)
10,955	9,772	9,673	9,934	9,267	Force motrice (grosse)
-	-	-	-	-	Energie (municipale)
2,558	2,421	2,404	2,371	2,238	Eclairage des rues
766,554	1,005,316	985,059	954,906	889,418	Usines commerciales
1,566,676	1,159,545	1,140,245	1,126,364	1,052,245	Usines municipales
1,256,095	1,129,272	1,103,539	1,079,233	998,067	Usines génératrices
1,077,135	1,035,589	1,021,765	1,002,037	943,596	Usines non-génératrices
					ENERGIE ELECTRIQUE GENEREE
40,130,054	40,479,593	37,355,179	33,317,663	28,338,030	Total Kw. heures générés (milliers)
25,530,857	31,082,239	28,177,387	24,793,715	21,290,930	Commerciale
14,599,197	9,397,354	9,177,792	8,523,948	7,047,100	Municipale
39,131,020	39,660,312	36,582,953	32,628,930	27,829,017	Produit par l'eau
999,034	819,281	772,226	688,733	509,013	Produit par le combustible
2,646,435	2,545,038	2,453,739	2,354,229	1,908,756	Exportations d'électricité aux Etats-Unis (milliers)
15,916	599	594	670	666	Importations d'électricité des Etats-Unis (milliers)
					MACHINERIE DANS LES USINES GENERATRICES (Usines principales seulement)
9,666,947	9,602,794	8,613,696	8,157,585	7,607,122	Total force motrice primaire
6,294,121	7,239,936	6,269,386	5,917,160	5,385,632	Dans les usines commerciales
3,372,826	2,362,858	2,344,310	2,240,425	2,221,490	Dans les usines municipales
8,035,767	7,982,027	7,256,927	6,851,785	6,435,416	Total force motrice secondaire
5,227,037	6,074,895	5,366,769	5,054,727	4,654,745	Dans les usines commerciales
2,808,730	1,907,132	1,890,158	1,797,058	1,780,671	Dans les usines municipales
					OUTILLAGE D'USINES AUXILIAIRES
173,312	194,822	194,966	194,651	194,139	Force motrice primaire
146,556	166,010	166,236	166,021	165,785	Force motrice secondaire

Remarque: Les données sur le capital n'ont pas été recueillies à partir de 1943, alors que le total était de \$1,778,224,640.

- (1) Le coût de l'énergie échangée entre stations est exclu du revenu des stations en faisant l'achat (voir p.8).
 (2) Incluent gages, coût de l'énergie, combustible et taxes, mais non les autres dépenses.
 (3) L'éclairage des fermes est inclus dans l'éclairage domestique. (4) Révisé.

TABLE 2 - DOMESTIC SERVICE, 1939 - 1950

Year	Number of Customers	Kilowatt Hours Consumed	Revenue	Kw. Hours per Customer	Average Annual Bill	Revenue per Kilowatt Hr.
Année	Nombre d'usagers	Kilowatt heures consommés	Recettes	Consommation moyenne annuelle par usager	Compte moyen de l'année	Moyenne par kilowatt heure
		(000)	\$	kw. hrs.	\$	\$
CANADA						
1939	1,623,672	2,310,891	43,793,482	1,423	26.97	1.90
1943	1,852,367	2,843,612	51,307,781	1,535	27.70	1.80
1945	1,987,360	3,365,497	55,735,696	1,693	28.05	1.66
1946	2,104,549	3,881,677	62,820,120	1,844	29.85	1.62
1947	2,246,253	4,383,222	70,258,591	1,951	31.28	1.60
1948	2,398,847	4,984,280	79,920,367	2,078	33.32	1.60
1949	2,619,831	5,678,847	90,302,748	2,168	34.47	1.59
1950	2,797,378	6,750,303	109,015,402	2,413	38.97	1.61
Change (Changement) 1939 -	1950					
Amount (Volume)	1,173,706	4,439,412	65,221,920	990	12.00	- 0.29
Per cent (p.c.)	72.29	192.11	148.93	69.57	44.49	- 15.26
NEWFOUNDLAND						
1949	28,725	31,906	759,347	1,111	26.44	2.38
1950	30,311	40,051	835,530	1,321	27.57	2.09
PRINCE EDWARD ISLAND						
1939	5,067	2,908	163,226	574	32.21	5.61
1943	5,715	3,895	217,914	682	38.13	5.59
1945	6,387	5,217	238,538	817	37.35	4.57
1946	6,882	6,017	274,082	874	39.83	4.56
1947	7,372	6,917	369,805	938	50.16	5.35
1948	8,075	8,341	454,741	1,033	56.31	5.45
1949	8,966	9,433	506,897	1,052	56.54	5.37
1950	10,298	10,526	583,765	1,022	56.69	5.55
Change (Changement) 1939 -	1950					
Amount (Volume)	5,231	7,618	420,539	448	24.48	- 0.06
Per cent (p.c.)	103.24	261.97	257.64	78.05	76.00	- 1.07
NOVA SCOTIA						
1939	62,034	39,084	1,709,507	630	27.56	4.37
1943	75,957	57,324	2,156,852	755	28.40	3.76
1945	84,011	70,099	2,286,358	834	27.21	3.26
1946	89,484	82,696	2,660,287	924	29.73	3.22
1947	96,231	94,135	2,923,631	978	30.38	3.11
1948	102,837	110,981	3,488,141	1,079	33.92	3.14
1949	107,516	127,666	3,974,574	1,187	36.97	3.11
1950	124,860	147,522	4,421,444	1,181	35.41	3.00
Change (Changement) 1939 -	1950					
Amount (Volume)	62,826	108,438	2,711,937	551	7.85	- 1.37
Per cent (p.c.)	101.28	277.45	158.64	87.46	28.48	- 31.35
NEW BRUNSWICK						
1939	46,485	26,989	1,307,772	581	28.13	4.85
1943	56,239	35,294	1,661,550	628	29.54	4.71
1945	62,175	45,958	1,883,374	739	30.29	4.10
1946	67,479	51,377	2,076,400	761	30.77	4.04
1947	74,854	63,728	2,484,545	851	33.19	3.90
1948	80,270	67,749	2,806,668	844	34.97	4.14
1949	87,827	87,846	3,348,391	1,000	38.12	3.81
1950	95,540	97,752	3,746,973	1,023	39.22	3.83
Change (Changement) 1939 -	1950					
Amount (Volume)	49,055	70,763	2,439,201	442	11.09	- 1.02
Per cent (p.c.)	105.53	262.19	186.52	76.08	39.42	- 21.03
QUEBEC						
1939	434,825	311,420	9,167,384	716	21.08	2.94
1943	507,765	398,305	10,791,660	784	21.25	2.71
1945	558,865	507,274	11,925,494	908	21.34	2.35
1946	590,125	596,693	13,401,463	1,011	22.71	2.25
1947	631,597	692,335	15,156,347	1,096	24.00	2.19
1948	681,967	830,445	17,537,147	1,218	25.72	2.11
1949	741,941	999,216	20,379,739	1,347	27.47	2.04
1950	778,878	1,199,887	23,820,883	1,541	30.58	1.99
Change (Changement) 1939 -	1950					
Amount (Volume)	344,053	888,467	14,653,499	826	9.50	- 0.95
Per cent (p.c.)	79.12	285.30	159.84	115.22	45.07	- 32.31

Note: British Columbia figures included Yukon and Northwest Territories up to and including 1947.

TABLEAU 2 - SERVICE DOMESTIQUE, 1939 - 1950

Year	Number of Customers	Kilowatt hours Consumed	Revenue	Kw. Hours per Customer	Average Annual Bill	Revenue per Kilowatt Hr.
Annee	Nombre d'usagers	Kilowatt heures consommés	Recettes	Consommation moyenne annuelle par usager	Compte moyen de l'année	Moyenne par kilowatt heure
		(000)	\$	kw.hrs.	\$	¢
ONTARIO						
1939	719,871	1,374,325	19,657,658	1,909	27.31	1.43
1943	801,430	1,682,562	23,000,644	2,099	28.70	1.37
1945	839,968	1,963,043	23,699,446	2,337	28.21	1.21
1946	876,761	2,269,006	26,314,259	2,587	30.01	1.16
1947	918,770	2,533,594	29,046,165	2,758	31.61	1.15
1948	969,234	2,799,781	32,421,793	2,889	33.45	1.16
1949	1,036,705	3,076,688	34,813,383	2,968	33.58	1.13
1950	1,104,317	3,662,862	44,723,940	3,317	40.50	1.22
Change (Changement) 1939 - 1950						
Amount (Volume)	384,446	2,288,537	25,066,282	1,408	13.19	- 0.21
Per cent (p.c.)	53.40	166.52	127.51	73.76	48.30	- 14.69
MANITOBA						
1939	81,091	320,827	3,311,662	3,956	40.84	1.03
1943	88,528	374,169	3,712,351	4,226	41.93	0.99
1945	94,673	416,499	4,237,484	4,399	44.76	1.02
1946	103,204	457,464	4,680,853	4,433	45.36	1.02
1947	116,570	501,744	5,414,994	4,304	46.45	1.08
1948	119,574	553,430	5,883,853	4,628	49.21	1.06
1949	131,284	616,272	6,810,980	4,694	51.88	1.11
1950	144,122	689,335	7,938,900	4,783	55.08	1.15
Change (Changement) 1939 - 1950						
Amount (Volume)	63,031	368,508	4,627,238	827	14.24	+ 0.12
Per cent (p.c.)	77.73	114.86	139.73	20.90	34.87	+ 11.65
SASKATCHEWAN						
1939	49,980	41,198	2,004,433	824	40.10	4.87
1943	55,500	48,996	2,257,885	883	40.68	4.61
1945	61,285	58,402	2,565,796	963	41.87	4.39
1946	67,336	68,530	2,940,165	1,018	43.66	4.29
1947	73,625	76,152	3,248,282	1,034	44.12	4.27
1948	80,614	89,871	3,675,447	1,115	45.59	4.09
1949	87,987	105,522	4,171,599	1,199	47.41	3.95
1950	94,734	128,221	4,870,802	1,353	51.42	3.80
Change (Changement) 1939 - 1950						
Amount (Volume)	44,754	87,023	2,866,369	529	11.32	- 1.07
Per cent (p.c.)	89.54	211.23	143.00	64.20	28.23	- 21.97
ALBERTA						
1939	68,267	42,210	2,145,093	618	31.42	5.08
1943	77,810	52,100	2,514,031	670	32.31	4.83
1945	87,005	63,962	2,932,410	735	33.70	4.59
1946	92,461	75,756	3,166,731	819	34.25	4.18
1947	100,134	88,366	3,472,789	882	34.68	3.93
1948	108,717	107,548	3,999,670	989	36.79	3.72
1949	121,440	130,328	4,614,214	1,073	38.00	3.54
1950	134,132	164,205	5,384,777	1,224	40.15	3.28
Change (Changement) 1939 - 1950						
Amount (Volume)	65,865	121,995	3,239,684	606	8.73	- 1.80
Per cent (p.c.)	96.48	289.02	151.03	98.06	27.78	- 35.43
BRITISH COLUMBIA						
1939	156,052	151,930	4,326,747	974	27.73	2.85
1943	179,136	190,967	4,994,894	1,066	27.88	2.62
1945	192,991	235,043	5,966,796	1,218	30.92	2.54
1946	210,817	274,138	7,305,880	1,300	34.66	2.67
1947	227,100	326,251	8,142,033	1,437	35.85	2.50
1948	246,025	414,850	9,533,260	1,686	38.75	2.30
1949	265,835	491,897	10,799,002	1,850	40.62	2.20
1950	278,417	607,427	12,525,229	2,182	44.99	2.06
Change (Changement) 1939 - 1950						
Amount (Volume)	122,365	455,497	8,198,482	1,208	17.26	- 0.79
Per cent (p.c.)	78.41	299.81	189.48	124.02	62.24	- 27.72
YUKON AND NORTHWEST TERRITORIES						
1948	1,534	1,284	119,647	837	78.00	9.32
1949	1,605	2,073	124,622	1,292	77.65	6.01
1950	1,769	2,515	163,159	1,422	92.23	6.49

Remarque: Les chiffres de la Colombie-Britannique comprennent le Yukon et le territoire du Nord-Ouest jusque 1947 inclus.

TABLE 3 - ELECTRIC POWER PLANTS, 1950

	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
TOTAL NUMBER OF GENERATING STATIONS	365	18	7	50	19	99
Per cent of total for Canada	100.00	2.71	1.05	7.52	2.86	14.89
COMMERCIAL	395	17	6	22	7	75
Hydraulic	197	17	3	15	4	58
Fuel	198	-	3	7	3	7
MUNICIPAL	270	1	1	38	12	24
Hydraulic	151	-	-	23	3	22
Fuel	119	1	1	5	9	2
With water wheels and turbines	348	17	3	38	7	90
With steam engines only	13	-	-	-	1	1
With steam turbines only	31	-	1	6	3	1
With gas or oil engines only	266	1	3	4	7	7
With both steam engines and turbines	4	-	-	1	1	-
With both steam and gas or oil engines	3	-	-	1	-	-
With alternating current dynamos only	574	18	6	50	18	99
With direct current dynamos only	82	-	1	-	1	-
With both alternating and direct current dynamos	9	-	-	-	-	-
COMMERCIAL ORGANIZATIONS	X 390	8	4	17	15	81
Number generating power	254	7	3	12	7	33
Number buying power for redistribution	136	1	1	5	8	48
MUNICIPALITIES	X 492	1	1	22	10	36
Number generating power	82	1	1	6	2	13
Number buying power for redistribution	410	-	-	16	8	23
AUXILIARY PLANTS	70	4	2	5	6	9
To hydraulic stations	58	4	2	2	2	8
To non-generating stations	12	-	-	3	4	1

X - Organizations operating in two or more provinces are shown under provinces, but are included in total as only one organization.

TABLEAU 3 - USINES GÉNÉRATRICES, 1950

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
139	9	139	92	86	7	NOMBRE D'USINES GÉNÉRATRICES
20.90	1.35	20.90	13.84	12.93	1.05	Pourcentage du total pour le Canada
46	5	80	83	49	5	COMMERCIALES
39	3	1	14	31	2	Hydrauliques
7	2	79	69	18	3	A combustible
93	4	59	9	37	2	MUNICIPALES
88	2	-	-	12	1	Hydrauliques
5	2	59	9	25	1	A combustible
127	5	1	14	43	3	Avec roues et turbines hydrauliques
3	1	-	3	4	-	Avec machines à vapeur seulement
1	-	6	7	6	-	Avec turbines à vapeur seulement
8	3	131	67	31	4	Avec moteurs à gaz ou à pétrole seulement
-	-	1	1	-	-	Avec machines et turbines à vapeur à la fois
-	-	-	-	2	-	Avec machines à vapeur à gaz et à pétrole
135	9	84	68	80	7	Avec dynamos à courant alternatif seulement
2	-	54	20	4	-	Avec dynamos à courant direct seulement
2	-	1	4	2	-	Avec dynamos à courant alternatif et direct
62	10	83	66	45	8	USINES COMMERCIALES
31	3	80	50	28	5	Nombre d'usines génératrices
31	7	3	16	17	3	Nombre d'usines achetant de l'électricité pour la revendre
345	8	33	16	23	1	MUNICIPALITÉS
16	3	25	8	10	1	Nombre d'usines génératrices
329	5	8	8	13	-	Nombre d'usines achetant de l'électricité pour la revendre
16	2	-	8	17	1	USINES AUXILIAIRES
14	1	-	8	17	-	Aux usines hydrauliques
2	1	-	-	-	1	Aux usines non-génératrices

X - Les compagnies exploitant des usines dans deux ou plusieurs provinces sont inscrites au chapitre des provinces, mais n'apparaissent qu'une fois dans le total.

TABLE 4 - REVENUE, 1950

	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
	\$	\$	\$	\$	\$	\$
REVENUE FROM SALE OF ELECTRIC ENERGY	323,833,465	2,219,529	1,047,167	12,177,394	8,640,541	114,585,604
For domestic service	109,015,402	835,530	583,765	4,421,444	3,746,973	23,820,883
For commercial light	57,367,084	507,593	288,439	2,434,730	1,706,291	14,171,124
For power (small)	15,367,042	361,888	57,859	1,430,984	852,356	2,940,348
For power (large)	130,399,267	456,654	82,776	3,550,298	2,070,082	71,019,681
For power (municipal)	4,871,532	1,512	15,938	52,273	58,019	1,065,845
For street lighting	6,813,138	56,352	18,390	287,665	206,820	1,567,723
REVENUE OF COMMERCIAL STATIONS	141,771,226	2,208,140	801,927	8,699,536	2,812,656	74,409,792
Non-generating	4,185,252	13,402	1,364	830,297	833,095	822,704
Generating	137,585,974	2,194,738	800,563	7,869,239	1,979,561	73,587,088
Hydraulic	124,873,039	2,194,738	37,645	1,764,471	1,793,290	73,305,826
Fuel	12,712,935	-	762,918	6,104,768	186,271	281,262
REVENUE OF MUNICIPAL STATIONS	182,062,239	11,389	245,240	3,477,858	5,827,885	40,175,812
Non-generating	36,202,360	-	-	714,158	1,107,137	1,206,024
Generating	145,859,879	11,389	245,240	2,763,700	4,720,748	38,969,788
Hydraulic	127,243,841	-	-	2,576,545	489,184	38,928,216
Fuel	18,616,038	11,389	245,240	187,155	4,231,564	41,572
Revenue of non-generating stations	40,387,612	13,402	1,364	1,544,455	1,940,232	2,028,728
Revenue of generating stations	283,445,853	2,206,127	1,045,803	10,632,939	6,700,309	112,556,876
Hydraulic	252,116,880	2,194,738	37,645	4,341,016	2,282,474	112,234,042
Fuel	31,328,973	11,389	1,008,158	6,291,923	4,417,835	322,834
Average revenue per H.P. of primary power	27.67	40.37	90.20	46.51	46.23	19.40
Average revenue per H.P. in main and auxiliary plants ...	27.04	39.66	87.20	46.03	44.17	19.26
Average revenue per Kv.A. of dynamo capacity	33.30	47.93	115.90	54.64	53.56	22.77
Average revenue per Kv.A. in main and auxiliary plants ..	32.51	47.03	112.63	54.10	51.32	22.60
Average revenue per domestic service customer	38.97	27.57	56.69	35.41	39.22	30.58
Average revenue per commercial light customer	146.15	177.79	152.77	146.71	129.26	136.32
Average revenue per small power customer	253.16	841.60	370.89	390.66	514.40	214.17
Average revenue per large power customer	8,865.87	26,862.00	9,197.33	14,201.19	14,578.04	28,905.04
Average revenue per kilowatt hour consumed cents	0.67	1.51	3.60	1.60	1.21	0.42
Average revenue per kilowatt hour - domestic and farm service .. cents	1.61	2.09	5.55	3.00	3.83	1.99
Average revenue per kilowatt hour - commercial light "	2.04	2.95	3.69	3.36	3.11	1.99

d Gross revenue less cost of power interchanged between stations.

/ Affected by power purchased from another province.

X Adjusted for power purchased from Quebec plants.

TABLÉAU 4 - RECETTES, 1950

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N. W. T.	
\$	\$	\$	\$	\$	\$	
123,780,950	18,030,068	12,344,057	15,524,403	32,022,438	811,095	RECETTES PROVENANT DE LA VENTE D'ELECTRICITE
44,723,940	7,938,900	4,870,802	5,384,777	12,525,229	163,159	Pour éclairage domestique
18,218,726	3,569,126	3,237,490	4,506,545	8,584,475	142,545	Pour éclairage commercial
4,187,456	862,615	1,162,668	1,767,919	1,688,614	54,335	Pour force motrice (petite)
50,820,557	5,108,093	2,492,314	3,237,404	8,472,187	439,002	Pour force motrice (grosse)
2,973,492	197,812	215,411	225,496	63,930	1,804	Pour pouvoir municipal
2,856,779	353,522	365,372	402,262	688,003	10,250	Pour éclairage des rues
10,301,686	8,976,957	2,383,529	8,015,395	26,035,267	486,168	RECETTES DES USINES COMMERCIALES
3,153,432	1,404,448	15,001	167,594	115,413	99,429	Non-génératrices
7,148,254	7,572,509	2,368,528	7,847,801	25,919,854	386,739	Génératrices
6,395,553	7,451,312	995,832	5,113,884	25,669,669	239,719	Hydrauliques
752,701	121,197	1,372,696	2,733,917	250,185	147,020	A combustible
113,479,264	9,053,111	9,960,528	7,509,008	5,987,171	324,927	RECETTES DES USINES MUNICIPALES
36,799,512	4,026,713	1,536,284	2,528,126	1,232,681	-	Non-génératrices
76,679,752	5,026,398	8,424,244	4,980,882	4,754,490	324,927	Génératrices
76,578,237	4,924,624	-	-	4,476,561	312,153	Hydrauliques
101,515	101,774	8,424,244	4,980,882	277,929	12,774	A combustible
39,952,944	5,431,161	1,551,285	2,695,720	1,348,094	99,429	Recettes des usines non-génératrices
83,828,006	12,598,907	10,792,772	12,828,683	30,674,344	711,666	Recettes des usines génératrices
82,973,790	12,375,936	995,832	5,113,884	30,146,230	551,872	Hydrauliques
854,216	222,971	9,796,940	7,714,799	528,114	159,794	A combustible
X 27.04	30.23	39.42	55.76	40.77	72.67	Moyenne de recettes par H.P. de machinerie primaire
X 26.29	29.44	39.42	52.21	38.29	71.64	Moyenne de recettes par H.P. de machinerie principale et auxiliaire
X 34.46	40.75	48.70	64.41	47.72	82.70	Moyenne de recettes par Kv.A. de capacité de dynamos
X 33.41	39.42	48.70	60.24	44.98	81.45	Moyenne de recettes par Kv.A. de capacité des dynamos, usines principales et auxiliaires
40.50	55.08	51.42	40.15	44.99	92.23	Moyenne de recettes par abonnés d'éclairage domestique ...
134.78	148.71	145.32	163.70	192.06	391.61	Moyenne de recettes par abonnés d'éclairage commercial ...
249.19	155.23	316.46	198.24	279.80	705.65	Moyenne de recettes par abonnés pour petite force motrice
12,240.02	993.21	5,477.61	3,400.63	7,701.99	14,161.35	Moyenne de recettes par abonnés pour grosse force motrice
0.67	0.62	1.37	1.75	1.26	1.36	Moyenne de recettes par Kw. heure cents
1.22	1.15	3.80	3.28	2.06	6.49	Moyenne de recettes par Kw. heure - service domestique et de ferme cents
1.46	1.92	4.25	3.75	2.77	8.49	Moyenne de recettes par Kw.heure - service commercial "

Ø Revenu brut moins le coût de l'énergie échangée entre stations.

† Affecté par énergie achetée d'une autre province.

X Adjusté pour achats de courant des usines du Québec.

TABLE 5 - EXPENSES, 1950

	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
TOTAL EXPENSES	233,475,040	1,226,810	643,411	10,976,660	8,241,939	59,529,334
Per cent of total for Canada	100.00	0.52	0.28	4.70	3.53	25.50
Salaries and wages	88,988,681	860,631	288,882	3,375,819	3,701,121	21,018,484
Fuel	10,486,268	20,325	285,096	2,629,030	1,454,565	166,592
Taxes (X)	31,823,530	243,835	62,747	1,004,107	269,829	19,616,515
Cost of power	102,176,561	102,019	6,686	3,967,704	2,816,424	18,727,743
TOTAL EXPENSES FOR COMMERCIAL STATIONS	83,780,453	1,217,645	512,020	8,237,662	2,035,930	40,912,690
Salaries and wages	29,735,704	855,918	240,992	2,452,314	420,315	13,887,481
Fuel	5,029,317	15,923	201,595	2,502,005	29,320	140,998
Taxes (X)	25,138,868	243,785	62,747	908,527	266,648	15,544,011
Cost of power	23,876,564	102,019	6,686	2,374,816	1,319,647	11,340,200
Non-generating stations	8,520,544	22,441	891	1,186,152	1,674,853	741,264
Generating stations	75,259,909	1,195,204	511,129	7,051,510	361,077	40,171,426
Hydraulic stations	65,464,079	1,195,204	18,836	993,779	331,054	39,973,615
Fuel stations	9,795,830	-	492,293	6,057,731	30,023	197,811
TOTAL EXPENSES FOR MUNICIPAL STATIONS	149,694,587	9,165	131,391	2,738,998	6,206,009	18,616,644
Salaries and wages	59,252,977	4,713	47,890	923,505	3,280,806	7,131,003
Fuel	5,456,951	4,402	83,501	127,025	1,425,245	25,594
Taxes (X)	6,684,662	50	-	95,580	3,181	4,072,504
Cost of power	78,299,997	-	-	1,592,888	1,496,777	7,387,543
Non-generating stations	69,992,850	-	-	1,638,078	1,584,124	1,142,892
Generating stations	79,701,737	9,165	131,391	1,100,920	4,621,885	17,473,752
Hydraulic stations	68,048,517	-	-	699,214	112,537	17,459,062
Fuel stations	11,653,220	9,165	131,391	401,706	4,509,348	14,690
TOTAL EXPENSES FOR NON-GENERATING STATIONS ...	78,513,394	22,441	891	2,824,230	3,258,977	1,884,156
Salaries and wages	17,985,575	5,573	-	650,636	522,139	651,209
Fuel	25,366	-	-	-	1,959	-
Taxes (X)	1,280,853	-	-	170,015	159,711	23,953
Cost of power	59,221,600	16,868	891	2,003,579	2,575,168	1,208,994
TOTAL EXPENSES FOR GENERATING STATIONS	154,961,646	1,204,369	642,520	8,152,430	4,982,962	57,645,178
Salaries and wages	71,003,106	855,058	288,882	2,725,183	3,178,982	20,367,275
Fuel	10,460,902	20,325	285,096	2,629,030	1,452,606	166,592
Taxes (X)	30,542,677	243,835	62,747	834,092	110,118	19,592,562
Cost of power	42,954,961	85,151	5,795	1,964,125	241,256	17,518,749
Hydraulic stations	133,512,596	1,195,204	18,836	1,692,993	443,591	57,432,677
Fuel stations	21,449,050	9,165	623,684	6,459,437	4,539,371	212,501

(X) Sales tax not included (see page 9).

f Includes only the four items listed.

TABLEAU 5 - DEPENSES, 1950 /

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
112,225,760	8,748,143	6,583,127	9,210,956	15,741,171	347,729	TOTAL DES DEPENSES
48.07	3.75	2.82	3.94	6.74	0.15	Pourcentage du total pour le Canada
39,352,575	5,559,026	2,687,791	3,433,796	8,538,379	172,177	Salaires et gages
973,838	87,509	2,306,103	1,556,610	972,541	34,059	Combustible
3,498,648	363,869	272,315	1,585,419	4,888,705	17,541	Taxes (X)
88,400,699	2,737,739	1,316,918	2,635,131	1,341,546	123,952	Achat d'énergie électrique
9,183,260	3,122,675	1,171,716	5,055,174	12,047,965	283,716	TOTAL DES DEPENSES POUR LES USINES COMMERCIALES
1,615,692	1,312,079	552,975	2,043,803	6,243,212	110,923	Salaires et gages
425,812	25,880	429,194	671,376	555,914	31,300	Combustible
1,656,663	199,721	174,736	1,257,928	4,806,561	17,541	Taxes (X)
5,485,093	1,584,995	14,811	1,082,067	442,278	123,952	Achat d'énergie électrique
2,904,539	1,644,681	17,524	69,393	148,038	110,768	Usines non-génératrices
6,278,721	1,477,994	1,154,192	4,985,781	11,899,927	172,948	Usines génératrices
5,849,799	1,412,923	404,173	3,477,876	11,757,999	48,821	Usines hydrauliques
428,922	65,071	750,019	1,507,905	141,928	124,127	Usines à combustible
103,042,500	5,625,468	5,411,411	4,155,782	3,693,206	64,013	TOTAL DES DEPENSES POUR LES USINES MUNICIPALES
37,736,883	4,246,947	2,134,816	1,389,993	2,295,167	61,254	Salaires et gages
548,026	61,629	1,876,909	885,234	416,627	2,759	Combustible
1,841,985	164,148	97,579	327,491	82,144	-	Taxes (X)
62,915,606	1,152,744	1,302,107	1,553,064	899,268	-	Achat d'énergie électrique
57,479,191	3,552,235	1,300,818	2,270,068	1,025,444	-	Usines non-génératrices
45,563,309	2,073,233	4,110,593	1,885,714	2,667,762	64,013	Usines génératrices
45,519,939	2,028,613	-	-	2,172,974	56,178	Usines hydrauliques
43,370	44,620	4,110,593	1,885,714	494,788	7,835	Usines à combustible
60,383,730	5,196,916	1,318,342	2,339,461	1,173,482	110,768	TOTAL DES DEPENSES DES USINES NON-GENERATRICES
12,678,801	2,417,279	175,123	566,008	294,216	24,591	Salaires et gages
22,641	-	-	-	-	766	Combustible
604,190	41,898	97,579	166,859	8,041	8,607	Taxes (X)
47,078,098	2,737,739	1,045,640	1,606,594	871,225	76,804	Achat d'énergie électrique
51,842,030	3,551,227	5,264,785	6,871,495	14,567,689	236,961	TOTAL DES DEPENSES DES USINES GENERATRICES
26,673,774	3,141,747	2,512,668	2,867,788	8,244,163	147,586	Salaires et gages
951,197	87,509	2,306,103	1,556,610	972,541	33,293	Combustible
2,894,458	321,971	174,736	1,418,560	4,880,664	8,934	Taxes (X)
21,322,601	-	271,278	1,028,537	470,321	47,148	Achat d'énergie électrique
51,369,738	3,441,536	404,173	3,477,876	13,930,973	104,999	Usines hydrauliques
472,292	109,691	4,860,612	3,393,619	636,716	131,962	Usines à combustible

(X) Taxe des ventes non comprises (Voir p.9).

/ Ne comprend que les quatres items énumérés.

TABLE 6 - EMPLOYEES, 1950

	Canada	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
TOTAL NUMBER OF PERSONS EMPLOYED	32,873	464	157	1,588	1,468	7,933
Per cent of total for Canada	100.00	1.41	0.48	4.83	4.47	24.13
Officers, clerks, other salaried employees, etc.	11,635	70	65	662	567	2,476
Employees on wages	21,238	394	92	926	901	5,457
TOTAL EMPLOYEES IN COMMERCIAL STATIONS	11,601	460	133	1,085	198	5,395
Officers, clerks, other salaried employees, etc.	3,637	70	60	385	49	1,502
Employees on wages	7,964	390	73	700	149	3,893
Non-generating	617	2	-	164	107	177
Generating	10,984	458	133	921	91	5,218
Hydraulic	9,726	458	5	364	86	5,167
Fuel	1,258	-	128	557	5	51
TOTAL EMPLOYEES IN MUNICIPAL STATIONS	21,272	4	24	503	1,270	2,538
Officers, clerks, other salaried employees, etc.	7,998	-	5	277	518	974
Employees on wages	13,274	4	19	226	752	1,564
Non-generating	6,829	-	-	159	145	153
Generating	14,443	4	24	344	1,125	2,385
Hydraulic	12,023	-	-	322	40	2,380
Fuel	2,420	4	24	22	1,085	5
TOTAL EMPLOYEES IN NON-GENERATING STATIONS	7,446	2	-	323	252	330
Officers, clerks, other salaried employees, etc.	2,728	-	-	102	118	108
Employees on wages	4,718	2	-	221	134	222
TOTAL EMPLOYEES IN GENERATING STATIONS	25,427	462	157	1,265	1,216	7,603
Officers, clerks, other salaried employees, etc.	8,907	70	65	560	449	2,368
Employees on wages	16,520	392	92	705	767	5,235
Hydraulic	21,749	458	5	686	126	7,547
Fuel	3,678	4	152	579	1,090	56

TABLEAU 6 - EMPLOYÉS, 1950

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.	
13,289	2,619	1,205	1,378	2,719	53	TOTAL DU PERSONNEL OCCUPE
40.42	7.97	3.67	4.19	8.27	0.16	Pourcentage du total pour le Canada
5,217	779	330	428	1,021	20	Administrateurs, directeurs, commis & tous employés des bureaux
8,072	1,840	875	950	1,698	33	Ouvriers et journaliers
573	572	211	846	2,099	29	PERSONNEL DES USINES COMMERCIALES
134	257	79	267	821	13	Administrateurs, directeurs, commis et tous employés des bureaux
439	315	132	579	1,278	16	Ouvriers et journaliers
118	10	5	8	18	8	Non-génératrices
455	562	206	838	2,081	21	Génératrices
437	550	93	503	2,056	7	Hydrauliques
18	12	113	335	25	14	Combustible
12,716	2,047	994	532	620	24	PERSONNEL DES USINES MUNICIPALES
5,083	522	251	161	200	7	Administrateurs, directeurs, commis et tous employés des bureaux
7,633	1,525	743	371	420	17	Ouvriers et journaliers
4,766	1,225	76	210	95	-	Non-génératrices
7,950	822	918	322	525	24	Génératrices
7,941	811	-	-	507	22	Hydrauliques
9	11	918	322	18	2	Combustible
4,884	1,235	81	218	113	8	PERSONNEL DES USINES NON-GENERATRICES
1,951	277	41	88	40	3	Administrateurs, directeurs, commis et tous employés des bureaux
2,933	958	40	130	73	5	Ouvriers et journaliers
8,405	1,384	1,124	1,160	2,606	45	PERSONNEL DES USINES GENERATRICES
3,266	502	289	340	981	17	Administrateurs, directeurs, commis et tous employés des bureaux
5,139	882	835	820	1,625	28	Ouvriers et journaliers
8,378	1,361	93	503	2,563	29	Hydrauliques
27	23	1,031	657	43	16	Combustible

TABLE 7 - NUMBER OF CUSTOMERS, 1950

	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
NUMBER OF CUSTOMERS	3,269,824	33,626	12,367	145,499	110,615	900,464
Per cent of total for Canada	100.00	1.03	0.38	4.45	3.38	27.54
Domestic service	2,797,378	30,311	10,298	124,860	95,540	778,878
Commercial light	392,530	2,855	1,888	16,595	13,200	103,953
Power (small)	60,700	430	156	3,663	1,657	13,729
Power (large)	14,708	17	9	250	142	2,457
Power (municipal)	1,013	4	2	18	15	204
Street lighting	3,495	9	14	113	61	1,243
COMMERCIAL STATIONS	1,068,867	33,396	10,140	89,143	26,308	484,412
Domestic service	910,149	30,103	8,381	76,305	22,458	422,072
Commercial light	130,618	2,835	1,627	10,105	3,328	52,493
Power (small)	20,077	430	112	2,574	435	6,949
Power (large)	5,906	17	6	93	62	1,557
Power (municipal)	327	3	1	6	6	159
Street lighting	1,790	8	13	60	19	1,182
Non-generating	103,374	183	37	25,028	21,611	19,723
Generating	955,493	33,213	10,103	64,115	4,697	464,689
Hydraulic	863,157	33,213	561	19,825	4,590	460,649
Fuel	102,336	-	9,542	44,290	107	4,040
MUNICIPAL STATIONS	2,200,957	230	2,227	56,356	84,307	416,052
Domestic service	1,887,229	208	1,917	48,555	73,082	356,806
Commercial light	261,912	20	261	6,490	9,872	51,460
Power (small)	40,623	-	44	1,089	1,222	6,780
Power (large)	8,802	-	3	157	80	900
Power (municipal)	686	1	1	12	9	45
Street lighting	1,705	1	1	53	42	61
Non-generating	1,076,724	-	-	26,747	29,274	33,346
Generating	1,124,233	230	2,227	29,609	55,033	382,706
Hydraulic	915,810	-	-	24,928	2,779	382,194
Fuel	208,423	230	2,227	4,681	52,254	512
NON-GENERATING STATIONS	1,180,098	183	37	51,775	50,885	53,069
Domestic service	1,006,787	182	37	44,676	42,325	47,137
Commercial light	143,977	-	-	5,712	7,448	4,877
Power (small)	23,595	-	-	1,223	1,015	788
Power (large)	4,181	1	-	111	67	156
Power (municipal)	601	-	-	14	12	14
Street lighting	957	-	-	39	18	97
GENERATING STATIONS	2,089,726	33,443	12,330	93,724	59,730	847,395
Hydraulic stations	1,778,967	33,213	561	44,753	7,369	842,843
Domestic service	1,538,970	29,921	447	38,688	6,149	727,988
Commercial light	200,665	2,835	110	5,121	1,044	98,329
Power (small)	27,685	430	3	804	144	12,907
Power (large)	9,584	16	-	78	23	2,300
Power (municipal)	253	3	-	2	1	188
Street lighting	1,810	8	1	60	8	1,131
Fuel stations	310,759	230	11,769	48,971	52,361	4,552
Domestic service	251,621	208	9,814	41,496	47,066	3,753
Commercial light	47,888	20	1,778	5,762	4,708	747
Power (small)	9,420	-	153	1,636	498	34
Power (large)	943	-	9	61	52	1
Power (municipal)	159	1	2	2	2	2
Street lighting	728	1	13	14	35	15
Average number of domestic service customers per 100 of population	20.40	8.64	10.73	19.57	18.66	19.62

TABLEAU 7 - NOMBRE D'USAGERS, 1950

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
1,261,667	179,263	121,653	171,998	330,422	2,250	NOMBRE D'USAGERS
38,58	5,48	3,72	5,26	10,11	0,07	Pourcentage du total pour le Canada
1,104,317	144,122	94,734	134,132	278,417	1,769	Service domestique
135,169	24,000	22,278	27,530	44,698	364	Éclairage commercial
16,804	5,557	3,674	8,918	6,035	77	Force motrice (petite)
4,152	5,143	455	952	1,100	31	Force motrice (grosse)
542	21	28	151	24	4	Énergie (municipale)
683	420	484	315	148	5	Éclairage des rues
38,207	50,750	12,266	68,862	253,219	2,164	NOMBRE D'USAGERS DES USINES COMMERCIALES
33,298	40,473	9,899	51,427	214,022	1,711	Service domestique
4,266	7,125	1,962	12,644	33,891	342	Éclairage commercial
462	579	304	3,882	4,274	76	Force motrice (petite)
118	2,553	39	473	960	28	Force motrice (grosse)
8	1	1	134	5	3	Énergie (municipale)
55	19	61	302	67	4	Éclairage des rues
17,610	11,573	378	2,724	3,569	938	Non-génératrices
20,597	39,177	11,888	66,138	249,650	1,226	Génératrices
19,648	37,813	2	38,698	248,077	81	Hydrauliques
949	1,364	11,886	27,440	1,573	1,145	Combustible
1,223,460	128,513	109,387	103,136	77,203	86	NOMBRE D'USAGERS DES USINES MUNICIPALES
1,071,019	103,649	84,835	82,705	64,395	58	Service domestique
130,903	16,875	20,316	14,886	10,807	22	Éclairage commercial
16,342	4,978	3,370	5,036	1,761	1	Force motrice (petite)
4,034	2,590	416	479	140	3	Force motrice (grosse)
534	20	27	17	19	1	Énergie (municipale)
628	401	423	13	81	1	Éclairage des rues
829,253	64,077	22,757	46,107	25,163	-	Non-génératrices
394,207	64,436	86,630	57,029	52,040	86	Génératrices
393,093	63,374	-	-	49,439	3	Hydrauliques
1,114	1,062	86,630	57,029	2,601	83	Combustible
846,863	75,650	23,135	48,831	28,732	938	NOMBRE D'USAGERS DES USINES NON-GENERATRICES ..
727,420	61,305	18,594	39,898	24,547	666	Service domestique
101,303	11,337	3,443	6,165	3,485	207	Éclairage commercial
14,108	2,212	1,042	2,594	576	37	Force motrice (petite)
3,168	389	38	141	86	24	Force motrice (grosse)
519	4	6	14	16	2	Énergie (municipale)
345	403	12	19	22	2	Éclairage des rues
414,804	103,613	98,518	123,167	301,690	1,312	NOMBRE D'USAGERS DES USINES GENERATRICES
412,741	101,187	2	38,698	297,516	84	Usines hydrauliques
375,092	81,103	-	29,029	250,477	76	Service domestique
33,632	12,153	-	6,792	40,648	1	Éclairage commercial
2,679	3,182	-	2,274	5,262	-	Force motrice (petite)
982	4,737	2	432	1,007	7	Force motrice (grosse)
22	2	-	29	6	-	Énergie (municipale)
334	10	-	142	116	-	Éclairage des rues
2,063	2,426	98,516	84,469	4,174	1,228	Usines à combustible
1,805	1,714	76,140	65,205	3,393	1,027	Service domestique
234	510	18,835	14,573	565	156	Éclairage commercial
17	163	2,632	4,050	197	40	Force motrice (petite)
2	17	415	379	7	-	Force motrice (grosse)
1	15	25	108	2	2	Énergie (municipale)
4	7	472	154	10	3	Éclairage des rues
24,70	18,77	11,37	14,69	24,49	7,37	Moyenne de consommateurs d'éclairage électrique par 100 habitants ...

TABLE 8 - POLE LINE MILEAGE, 1950

	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
POLE LINE MILEAGE	151,726	1,782	617	8,034	6,936	30,182
Per cent of total for Canada	100.00	1.17	0.41	5.30	4.57	19.89
Miles of steel towers	7,987	107	-	21	364	1,656
Miles of steel poles	253	12	-	2	-	174
Miles of wooden poles	140,494	1,646	614	7,996	6,567	27,482
Miles of concrete poles	526	10	-	-	1	-
Miles of underground and submarine cable ..	2,466	7	3	15	4	870
COMMERCIAL STATIONS	54,745	1,776	527	3,805	747	26,418
Non-generating	5,706	9	15	824	289	3,568
Generating	49,039	1,767	512	2,981	458	22,850
Hydraulic	44,375	1,767	27	1,764	435	22,516
Fuel	4,664	-	485	1,217	23	334
MUNICIPAL STATIONS	96,981	6	90	4,229	6,189	3,764
Non-generating	28,721	-	-	809	244	355
Generating	68,260	6	90	3,420	5,945	3,409
Hydraulic	56,285	-	-	3,316	42	3,399
Fuel	11,975	6	90	104	5,903	10
NON-GENERATING STATIONS	34,427	9	15	1,633	533	3,923
GENERATING STATIONS	117,299	1,773	602	6,401	6,403	26,259
Hydraulic	100,660	1,767	27	5,080	477	25,915
Fuel	16,639	6	575	1,321	5,926	344

TABLE 9 - AUXILIARY PLANT EQUIPMENT, 1950

TOTAL PRIMARY POWER	H.P.	273,080	982	400	2,730	8,725	43,114
Per cent of total for Canada		100.00	0.36	0.15	1.00	3.19	15.79
Steam reciprocating engines	No.	13	-	1	3	2	-
Total capacity	H.P.	4,818	-	75	1,190	800	-
Steam turbines	No.	48	-	-	1	3	8
Total capacity	H.P.	233,279	-	-	670	1,925	36,224
Gas and oil engines	No.	80	7	3	5	7	12
Total capacity	H.P.	34,983	982	325	870	6,000	6,890
TOTAL SECONDARY POWER	Kv.A.	234,824	887	262	2,231	7,031	38,702
COMMERCIAL STATIONS							
TOTAL PRIMARY POWER	H.P.	88,428	982	400	2,025	4,765	8,710
Steam reciprocating engines	No.	13	-	1	3	2	-
Total capacity	H.P.	4,818	-	75	1,190	800	-
Steam turbines	No.	23	-	-	1	3	3
Total capacity	H.P.	67,375	-	-	670	1,925	3,500
Gas and oil engines	No.	43	7	3	1	3	8
Total capacity	H.P.	16,235	982	325	165	2,040	5,210
TOTAL SECONDARY POWER	Kv.A.	73,537	887	262	1,638	3,585	7,283
MUNICIPAL STATIONS							
TOTAL PRIMARY POWER	H.P.	184,652	-	-	705	3,960	34,404
Steam reciprocating engines	No.	-	-	-	-	-	-
Total capacity	H.P.	-	-	-	-	-	-
Steam turbines	No.	25	-	-	-	-	5
Total capacity	H.P.	165,904	-	-	-	-	32,724
Gas and oil engines	No.	37	-	-	4	4	4
Total capacity	H.P.	18,748	-	-	705	3,960	1,680
TOTAL SECONDARY POWER	Kv.A.	161,287	-	-	593	3,446	31,419

TABLEAU 8 - LONGUEUR (EN MILLES) DES LIGNES SUR POTEAUX, 1950

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
55,454	20,472	5,712	12,108	10,255	174	LONGUEUR (EN MILLES) DES LIGNES SUR POTEAUX
36.55	13.49	3.77	7.98	6.76	0.11	Pourcentage du total pour tout le Canada
4,593	865	12	35	334	-	Milles de pylones d'acier
62	3	-	-	-	-	Milles de poteaux d'acier
49,117	19,539	5,668	11,954	9,739	172	Milles de poteaux de bois
514	1	-	-	-	-	Milles de poteaux de ciment
1,168	64	32	119	182	2	Milles de câbles souterrains et sous-marins
1,876	1,521	332	10,898	6,773	72	<u>USINES COMMERCIALES</u>
390	272	8	79	228	24	Non-génératrices
1,486	1,249	324	10,819	6,545	48	Génératrices
1,465	1,183	12	8,695	6,484	27	Hydrauliques
21	66	312	2,124	61	21	A combustible
53,578	18,951	5,380	1,210	3,482	102	<u>USINES MUNICIPALES</u>
8,135	18,007	227	600	344	-	Non-génératrices
45,443	944	5,153	610	3,138	102	Génératrices
45,412	936	-	-	3,088	92	Hydrauliques
31	8	5,153	610	50	10	A combustible
8,525	18,279	235	679	572	24	USINES NON-GENERATRICES
46,929	2,193	5,477	11,429	9,683	150	USINES GENERATRICES
46,877	2,119	12	8,695	9,572	119	Hydrauliques
52	74	5,465	2,734	111	31	A combustible

TABLEAU 9 - OUTILLAGE AUXILIAIRE, 1950

131,132	15,980	-	18,963	50,894	160	TOTAL, FORCE MOTRICE PRIMAIRE H.P.
48.02	5.85	-	6.34	18.64	0.06	Pourcentage du total pour tout le Canada
-	-	-	7	-	-	Machines à vapeur, à mouvement alternatif Nomb.
-	-	-	2,753	-	-	Capacité totale H.P.
15	5	-	4	11	1	Turbines à vapeur Nomb.
120,720	15,980	-	15,000	42,600	160	Capacité totale H.P.
15	-	-	7	24	-	Moteurs à gaz et à pétrole Nomb.
10,412	-	-	1,210	8,294	-	Capacité totale H.P.
113,100	14,906	-	16,662	40,893	150	TOTAL, FORCE MOTRICE SECONDAIRE Kv.A.
<u>USINES COMMERCIALES</u>						
7,660	-	-	18,963	44,763	160	TOTAL, FORCE MOTRICE PRIMAIRE H.P.
-	-	-	7	-	-	Machines à vapeur, à mouvement alternatif Nomb.
-	-	-	2,753	-	-	Capacité totale H.P.
1	-	-	4	10	1	Turbines à vapeur Nomb.
4,020	-	-	15,000	42,100	160	Capacité totale H.P.
5	-	-	7	9	-	Moteurs à gaz et à pétrole Nomb.
3,640	-	-	1,210	2,663	-	Capacité totale H.P.
6,969	-	-	16,662	36,101	150	TOTAL, FORCE MOTRICE SECONDAIRE Kv.A.
<u>USINES MUNICIPALES</u>						
123,472	15,980	-	-	6,131	-	TOTAL, FORCE MOTRICE PRIMAIRE H.P.
-	-	-	-	-	-	Machines à vapeur, à mouvement alternatif Nomb.
-	-	-	-	-	-	Capacité totale H.P.
14	5	-	-	1	-	Turbines à vapeur Nomb.
116,700	15,980	-	-	500	-	Capacité totale H.P.
10	-	-	-	15	-	Moteurs à gaz et à pétrole Nomb.
6,772	-	-	-	5,631	-	Capacité totale H.P.
106,131	14,906	-	-	4,792	-	TOTAL, FORCE MOTRICE SECONDAIRE Kv.A.

TABLE 10 - TOTAL EQUIPMENT INCLUDING AUXILIARY PLANT EQUIPMENT, 1950

		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
<u>TOTAL PRIMARY POWER</u>		11,976,241	55,961	12,009	264,537	195,621	5,950,343
Per cent of total for Canada	H. P.	100.00	0.47	0.10	2.21	1.63	49.68
Water wheels and turbines	No.	886	28	5	63	14	281
Total capacity	H. P.	11,029,799	54,715	369	143,958	104,260	5,904,389
Steam reciprocating engines	No.	23	-	1	5	4	-
Total capacity	H. P.	52,636	-	75	2,990	2,600	-
Steam turbines	No.	138	-	4	21	12	8
Total capacity	H. P.	765,397	-	6,680	114,051	73,795	36,224
Gas and oil engines	No.	548	11	15	19	28	29
Total capacity	H. P.	128,409	1,246	4,885	3,538	14,966	9,730
<u>TOTAL DYNAMO CAPACITY</u>		9,960,217	47,195	9,297	225,082	168,361	5,070,595
Per cent of total for Canada		100.00	0.47	0.09	2.26	1.69	50.91
Dynamos, A.C.	No.	1,529	40	19	107	57	318
Total capacity	Kv. A.	9,956,359	47,195	8,908	224,782	168,361	5,070,595
Dynamos, D.C.	No.	54	-	4	1	-	-
Total capacity	Kw.	3,858	-	389	300	-	-
<u>COMMERCIAL STATIONS</u>							
<u>TOTAL PRIMARY POWER</u>		6,804,494	55,697	7,819	159,372	97,420	4,667,924
Water wheels and turbines	No.	463	28	5	21	8	197
Total capacity	H. P.	6,471,350	54,715	369	47,078	91,400	4,656,554
Steam reciprocating engines	No.	17	-	1	5	2	-
Total capacity	H. P.	7,026	-	75	2,990	800	-
Steam turbines	No.	61	-	4	16	4	3
Total capacity	H. P.	285,848	-	6,680	106,845	2,925	3,500
Gas and oil engines	No.	253	7	8	8	5	23
Total capacity	H. P.	40,270	982	695	2,459	2,295	7,870
<u>TOTAL DYNAMO CAPACITY</u>		5,674,199	47,046	5,696	136,149	84,610	3,925,872
Dynamos, A.C.	No.	751	36	12	49	18	223
Total capacity	Kv. A.	5,671,889	47,046	5,307	135,849	84,610	3,925,872
Dynamos, D.C.	No.	36	-	4	1	-	-
Total capacity	Kw.	2,310	-	389	300	-	-
<u>MUNICIPAL STATIONS</u>							
<u>TOTAL PRIMARY POWER</u>		5,171,747	264	4,190	105,165	98,201	1,282,419
Water wheels and turbines	No.	423	-	-	42	6	84
Total capacity	H. P.	4,558,449	-	-	96,880	12,860	1,247,835
Steam reciprocating engines	No.	6	-	-	-	2	-
Total capacity	H. P.	45,610	-	-	-	1,800	-
Steam turbines	No.	77	-	-	5	8	5
Total capacity	H. P.	479,549	-	-	7,206	70,870	32,724
Gas and oil engines	No.	295	4	7	11	23	6
Total capacity	H. P.	88,139	264	4,190	1,079	12,671	1,860
<u>TOTAL DYNAMO CAPACITY</u>		4,286,018	149	3,601	88,933	83,751	1,144,723
Dynamos, A.C.	No.	778	4	7	58	39	95
Total capacity	Kv. A.	4,284,470	149	3,601	88,933	83,751	1,144,723
Dynamos, D.C.	No.	18	-	-	-	-	-
Total capacity	Kw.	1,548	-	-	-	-	-

* Generating equipment for the Yukon and Northwest Territories is located mainly in the mining and smelting industry.

TABLEAU 10 - OUTILLAGE GLOBAL, Y COMPRIS OUTILLAGE AUXILIAIRE, 1950

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon* and N.W.T.	
3,427,089	612,462	313,125	297,359	836,413	11,322	<u>TOTAL FORCE MOTRICE PRIMAIRE</u> H.P.
28.62	5.11	2.61	2.48	6.98	0.09	Pourcentage du total pour le Canada
360	44	6	11	71	3	Turbines et roues hydrauliques Nomb.
3,248,752	594,300	106,500	105,300	757,526	9,730	Capacité totale H.P.
-	-	1	12	-	-	Machines à vapeur, à mouvement alternatif Nomb.
-	-	750	46,221	-	-	Capacité totale H.P.
19	5	26	23	19	1	Turbines à vapeur Nomb.
166,470	15,980	169,149	130,140	52,748	160	Capacité totale H.P.
20	10	174	118	111	13	Moteurs à gaz et à pétrole Nomb.
11,867	2,182	36,726	15,698	26,139	1,432	Capacité totale H.P.
2,749,172	457,394	253,488	257,701	711,974	9,958	<u>CAPACITE TOTALE DES DYNAMOS</u> Kv.A.
27.60	4.59	2.55	2.59	7.15	0.10	Pourcentage du total pour le Canada
396	58	171	150	196	17	Dynamos, C.A. Nomb.
2,749,057	457,394	252,855	255,350	711,904	9,958	Capacité totale Kv.A.
2	-	34	11	2	-	Dynamos, C.D. Nomb.
115	-	633	2,351	70	-	Capacité totale Kw.
<u>USINES COMMERCIALES</u>						
449,833	394,212	140,112	159,233	669,800	3,072	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u> H.P.
116	20	6	11	50	1	Turbines et roues hydrauliques Nomb.
395,448	393,300	106,500	105,300	618,686	2,000	Capacité totale H.P.
-	-	-	9	-	-	Machines à vapeur, à mouvement alternatif Nomb.
-	-	-	3,161	-	-	Capacité totale H.P.
5	-	4	10	14	1	Turbines à vapeur Nomb.
49,770	-	31,998	36,300	47,670	160	Capacité totale H.P.
8	7	43	109	25	10	Moteurs à gaz et à pétrole Nomb.
4,615	912	1,614	14,472	3,444	912	Capacité totale H.P.
382,869	271,893	114,823	133,747	569,124	2,370	<u>CAPACITE TOTALE DES DYNAMOS</u> Kv.A.
129	26	30	129	87	12	Dynamos, C.A. Nomb.
382,869	271,893	114,473	132,546	569,054	2,370	Capacité totale Kv.A.
-	-	20	9	2	-	Dynamos, C.D. Nomb.
-	-	350	1,201	70	-	Capacité totale Kw.
<u>USINES MUNICIPALES</u>						
2,977,256	218,250	173,013	138,126	166,613	8,250	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u> H.P.
244	24	-	-	21	2	Turbines et roues hydrauliques Nomb.
2,853,304	201,000	-	-	138,840	7,730	Capacité totale H.P.
-	-	1	3	-	-	Machines à vapeur, à mouvement alternatif Nomb.
-	-	750	43,060	-	-	Capacité totale H.P.
14	5	22	13	5	-	Turbines à vapeur Nomb.
116,700	15,980	137,151	93,840	5,078	-	Capacité totale H.P.
12	3	131	9	86	3	Moteurs à gaz et à pétrole Nomb.
7,252	1,270	35,112	1,226	22,695	520	Capacité totale H.P.
2,366,303	185,501	138,665	123,954	142,850	7,588	<u>CAPACITE TOTALE DES DYNAMOS</u> Kv.A.
267	32	141	21	109	5	Dynamos, C.A. Nomb.
2,366,188	185,501	138,382	122,804	142,850	7,588	Capacité totale Kv.A.
2	-	14	2	-	-	Dynamos, C.D. Nomb.
115	-	283	1,150	-	-	Capacité totale Kw.

* L'outillage générateur du Yukon et des territoires du Nord-Ouest paraît en majeure partie dans l'industrie de l'exploitation minière et de l'affinage.

TABLE 11 - MAIN PLANT EQUIPMENT, 1950

		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
TOTAL PRIMARY POWER		H.P.	11,703,161	54,979	11,609	261,807	186,896	5,907,229
Per cent of total for Canada			100.00	0.47	0.10	2.24	1.60	50.47
Water Wheels and turbines		No.	886	28	5	63	14	281
Total Capacity		H.P.	11,029,799	54,715	369	143,958	104,260	5,904,389
Steam reciprocating engines		No.	10	-	-	2	2	-
Total Capacity		H.P.	47,818	-	-	1,800	1,800	-
Steam turbines		No.	90	-	4	20	9	-
Total Capacity		H.P.	532,118	-	6,680	113,381	71,870	-
Gas and oil engines		No.	468	4	12	14	21	17
Total Capacity		H.P.	93,426	264	4,560	2,668	8,966	2,840
TOTAL DYNAMO CAPACITY		Kv.A.	9,725,393	46,308	9,035	222,851	161,330	5,031,893
Per cent of total for Canada			100.00	0.48	0.09	2.29	1.66	51.74
Dynamios, A.C.		No.	1,398	33	18	99	46	298
Total Capacity		Kv.A.	9,723,149	46,308	8,860	222,851	161,330	5,031,893
Dynamios, D.C.		No.	49	-	2	-	-	-
Total Capacity		Kw.	2,244	-	175	-	-	-
COMMERCIAL STATIONS								
TOTAL PRIMARY POWER		H.P.	6,716,066	54,715	7,419	157,347	92,655	4,659,214
Per cent of total for Canada			100.00	0.82	0.11	2.34	1.38	69.37
Water Wheels and turbines		No.	463	28	5	21	8	197
Total Capacity		H.P.	6,471,350	54,715	369	47,078	91,400	4,656,554
Steam reciprocating engines		No.	4	-	-	2	-	-
Total Capacity		H.P.	2,208	-	-	1,800	-	-
Steam turbines		No.	38	-	4	15	1	-
Total Capacity		H.P.	218,473	-	6,680	106,175	1,000	-
Gas and oil engines		No.	210	-	5	7	2	15
Total Capacity		H.P.	24,035	-	370	2,294	255	2,660
TOTAL DYNAMO CAPACITY		Kv.A.	5,600,662	46,159	5,434	134,511	81,025	3,918,589
Per cent of total for Canada			100.00	0.82	0.10	2.40	1.45	69.97
Dynamios, A.C.		No.	680	29	11	45	11	212
Total Capacity		Kv.A.	5,599,966	46,159	5,259	134,511	81,025	3,918,589
Dynamios, D.C.		No.	31	-	2	-	-	-
Total Capacity		Kw.	696	-	175	-	-	-
MUNICIPAL STATIONS								
TOTAL PRIMARY POWER		H.P.	4,987,095	264	4,190	104,460	94,241	1,248,015
Per cent of total for Canada			100.00	0.01	0.08	2.09	1.89	25.02
Water Wheels and turbines		No.	423	-	-	42	6	84
Total Capacity		H.P.	4,558,449	-	-	96,880	12,860	1,247,835
Steam reciprocating engines		No.	6	-	-	-	2	-
Total Capacity		H.P.	45,610	-	-	-	1,800	-
Steam turbines		No.	52	-	-	5	8	-
Total Capacity		H.P.	313,645	-	-	7,206	70,870	-
Gas and oil engines		No.	258	4	7	7	19	2
Total Capacity		H.P.	69,391	264	4,190	374	8,711	180
TOTAL DYNAMO CAPACITY		Kv.A.	4,124,731	149	3,601	88,340	80,305	1,113,304
Per cent of total for Canada			100.00	0.01	0.09	2.14	1.95	26.99
Dynamios, A.C.		No.	718	4	7	54	35	86
Total Capacity		Kv.A.	4,123,183	149	3,601	88,340	80,305	1,113,304
Dynamios, D.C.		No.	18	-	-	-	-	-
Total Capacity		Kw.	1,548	-	-	-	-	-
HYDRAULIC STATIONS								
TOTAL DYNAMO CAPACITY		Kv.A.	9,155,031	46,159	313	120,670	90,288	5,029,709
Per cent of total for Canada			100.00	0.50	0.01	1.32	0.99	54.94
Dynamios, A.C.		No.	880	29	2	63	14	281
Total Capacity		Kv.A.	9,154,671	46,159	138	120,670	90,288	5,029,709
Dynamios, D.C.		No.	6	-	2	-	-	-
Total Capacity		Kw.	360	-	175	-	-	-
FUEL STATIONS								
TOTAL DYNAMO CAPACITY		Kv.A.	570,362	149	8,722	102,181	71,042	2,184
Per cent of total for Canada			100.00	0.03	1.53	17.92	12.46	0.38
Dynamios, A.C.		No.	518	4	16	36	32	17
Total Capacity		Kv.A.	568,478	149	8,722	102,181	71,042	2,184
Dynamios, D.C.		No.	43	-	-	-	-	-
Total Capacity		Kw.	1,884	-	-	-	-	-

* Generating equipment for Yukon and Northwest Territories is located mainly in the mining and smelting industry.

TABLEAU 11 - OUTILLAGE DES USINES PRINCIPALES, 1950

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon* and N.W.T.	
3,295,957 28.16 360 3,248,752 - - 4 45,750 5 1,455	596,482 5.10 44 594,300 - - - - 10 2,182	313,125 2.68 6 106,500 1 750 26 169,149 174 36,726	278,396 2.38 11 105,300 5 43,468 19 115,140 111 14,488	785,519 6.71 71 757,526 - - 8 10,148 87 17,845	11,162 0.09 3 9,730 - - - - 13 1,432	TOTAL, FORCE MOTRICE PRIMAIRE H.P. Pourcentage du total pour le Canada Roues hydrauliques et turbines Nomb. Capacité totale H.P. Machines à vapeur, à mouvement alternatif Nomb. Capacité totale H.P. Turbines à vapeur Nomb. Capacité totale H.P. Moteurs à gaz et à pétrole Nomb. Capacité totale H.P.
2,636,072 27.10 368 2,635,957 2 115	442,488 4.55 53 442,488 - -	253,488 2.61 171 252,855 34 633	241,039 2.48 134 239,788 9 1,251	671,081 6.90 162 671,011 2 70	9,808 0.10 16 9,808 - -	CAPACITE DES DYNAMOS Kv.A. Pourcentage du total pour le Canada Dynamos, C.A. Nomb. Capacité totale Kv.A. Dynamos, C.D. Nomb. Capacité totale Kw.
442,173 6.58 116 395,448 - - 4 45,750 3 975	394,212 5.87 20 393,300 - - - - 7 912	140,112 2.09 6 106,500 - - 4 31,998 43 1,614	140,270 2.09 11 105,300 2 408 6 21,300 102 13,262	625,037 9.31 50 618,686 - - 4 5,570 16 781	2,912 0.04 1 2,000 - - - - 10 912	USINES COMMERCIALES TOTAL, FORCE MOTRICE PRIMAIRE H.P. Pourcentage du total pour le Canada Turbines et roues hydrauliques Nomb. Capacité totale H.P. Machines à vapeur, à mouvement alternatif Nomb. Capacité totale H.P. Turbines à vapeur Nomb. Capacité totale H.P. Moteurs à gaz et à pétrole Nomb. Capacité totale H.P.
375,900 6.71 123 375,900 - -	271,893 4.85 26 271,893 - -	114,823 2.05 30 114,473 20 350	117,085 2.09 113 116,984 7 101	533,023 9.52 69 532,953 2 70	2,220 0.04 11 2,220 - -	CAPACITE DES DYNAMOS Kv.A. Pourcentage du total pour le Canada Dynamos, C.A. Nomb. Capacité totale Kv.A. Dynamos, C.D. Nomb. Capacité totale Kw.
2,853,784 57.22 244 2,853,304 - - - - 2 480	202,270 4.06 24 201,000 - - - - 3 1,270	173,013 3.47 - - 1 750 22 137,151 131 35,112	138,126 2.77 - - 3 43,060 13 93,840 9 1,226	160,482 3.22 21 138,840 - - 4 4,578 71 17,064	8,250 0.17 2 7,730 - - - - 3 520	USINES MUNICIPALES TOTAL, FORCE MOTRICE PRIMAIRE H.P. Pourcentage du total pour le Canada Turbines et roues hydrauliques Nomb. Capacité totale H.P. Machines à vapeur, à mouvement alternatif Nomb. Capacité totale H.P. Turbines à vapeur Nomb. Capacité totale H.P. Moteurs à gaz et à pétrole Nomb. Capacité totale H.P.
2,260,172 54.79 245 2,260,057 2 115	170,595 4.14 27 170,595 - -	138,665 3.36 141 138,382 14 283	123,954 3.00 21 122,804 2 1,150	138,058 3.35 93 138,058 - -	7,588 0.18 5 7,588 - -	CAPACITE DES DYNAMOS Kv.A. Pourcentage du total pour le Canada Dynamos, C.A. Nomb. Capacité totale Kv.A. Dynamos, C.D. Nomb. Capacité totale Kw.
2,597,779 28.38 359 2,597,664 2 115	440,600 4.81 44 440,600 - -	90,000 0.98 6 90,000 - -	83,415 0.91 11 83,415 - -	647,448 7.07 68 647,378 2 70	8,650 0.09 3 8,650 - -	USINES HYDRAULIQUES CAPACITE TOTALE DES DYNAMOS Kv.A. Pourcentage du total pour le Canada Dynamos, C.A. Nomb. Capacité totale Kv.A. Dynamos, C.D. Nomb. Capacité totale Kw.
38,293 6.71 9 38,293 - -	1,888 0.33 9 1,888 - -	163,488 28.66 165 162,855 34 633	157,624 27.64 123 156,373 9 1,251	23,633 4.14 94 23,633 - -	1,158 0.20 13 1,158 - -	USINES A COMBUSTIBLE CAPACITE TOTAL DES DYNAMOS Kv.A. Pourcentage du total pour le Canada Dynamos, C.A. Nomb. Capacité totale Kv.A. Dynamos, C.D. Nomb. Capacité totale Kw.

L'outillage générateur du Yukon et des territoires du Nord-Ouest paraît en majeure partie dans l'industrie de l'exploitation minière et de l'affinage.

TABLE 12 - ELECTRIC ENERGY GENERATED, 1950

	Canada	Newfound-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
ALL STATIONS						
Total kilowatt hours generated (thousands)	48,493,718	147,470	29,050	762,339	696,519	27,323,311
Per cent of total for Canada	100.00	0.31	0.06	1.57	1.44	56.34
Kilowatt hours generated by non-generating stations (thousands)	2,214	-	-	-	155	-
Kilowatt hours generated by generating stations .. (thousands)	48,491,504	147,470	29,050	762,339	696,364	27,323,311
Kv.A. capacity of generating stations	9,940,306	47,195	9,297	223,439	154,306	5,060,595
Ratio of output to maximum capacity p.c.	55.68	35.67	35.67	38.95	48.39	61.63
Average kilowatt hours per Kv.A.	4,878	3,125	3,125	3,412	4,239	5,399
GENERATING STATIONS						
COMMERCIAL STATIONS						
TOTAL						
Kilowatt hours generated (thousands)	28,430,661	147,297	21,967	498,678	462,801	20,646,426
Kv.A. capacity	5,667,382	47,046	5,696	134,661	82,275	3,925,872
Ratio of output to maximum capacity p.c.	57.27	35.74	44.03	42.27	64.21	60.03
Average kilowatt hours per Kv.A.	5,017	3,131	3,857	3,703	5,625	5,259
Hydraulic Stations						
Kilowatt hours generated (thousands)	27,777,563	147,297	714	121,614	453,305	20,640,378
Kv.A. capacity	5,458,739	47,046	575	38,688	81,275	3,923,835
Ratio of output to maximum capacity p.c.	58.09	35.74	14.18	35.88	63.66	60.05
Average kilowatt hours per Kv.A.	5,089	3,131	1,242	3,143	5,577	5,260
Fuel Stations						
Kilowatt hours generated (thousands)	653,098	-	21,253	377,064	9,496	6,048
Kv.A. capacity	208,643	-	5,121	95,973	**1,000	2,037
Ratio of output to maximum capacity p.c.	35.73	-	47.37	44.85	-	33.89
Average kilowatt hours per Kv.A.	3,130	-	4,150	3,929	-	2,969
MUNICIPAL STATIONS						
TOTAL						
Kilowatt hours generated (thousands)	20,060,843	173	7,083	263,661	233,563	6,676,885
Kv.A. capacity	4,272,924	149	3,601	88,778	82,031	1,134,723
Ratio of output to maximum capacity p.c.	53.60	13.25	22.45	33.90	32.50	67.17
Average kilowatt hours per Kv.A.	4,695	1,161	1,967	2,970	2,847	5,884
Hydraulic Stations						
Kilowatt hours generated (thousands)	19,105,872	-	-	256,394	30,584	6,676,446
Kv.A. capacity	3,911,205	-	-	82,570	11,989	1,134,576
Ratio of output to maximum capacity p.c.	55.76	-	-	35.45	29.12	67.18
Average kilowatt hours per Kv.A.	4,885	-	-	3,105	2,551	5,885
Fuel Stations						
Kilowatt hours generated (thousands)	954,971	173	7,083	7,267	202,979	439
Kv.A. capacity	361,719	149	3,601	6,208	70,042	147
Ratio of output to maximum capacity p.c.	30.14	13.25	22.45	13.37	33.08	34.09
Average kilowatt hours per Kv.A.	2,640	1,161	1,967	1,171	2,898	2,986
TOTAL HYDRAULIC STATIONS						
Kilowatt hours generated (thousands)	46,883,435	147,297	714	378,008	483,889	27,316,824
Kv.A. capacity	9,369,944	47,046	575	121,258	93,264	5,058,411
Ratio of output to maximum capacity p.c.	57.12	35.74	14.18	35.58	59.22	61.64
Average kilowatt hours per Kv.A.	5,004	3,131	1,242	3,117	5,188	5,400
Kilowatt hours generated by water power (thousands)	46,624,218	146,461	371	378,006	480,431	27,313,339
Kilowatt hours generated by auxiliary plants (thousands)	259,217	836	343	2	3,458	3,485
TOTAL FUEL STATIONS						
Kilowatt hours generated (thousands)	1,608,069	173	28,336	384,331	212,475	6,487
Kv.A. capacity	570,362	149	8,722	102,181	71,042	2,184
Ratio of output to maximum capacity p.c.	32.18	13.25	37.09	42.93	34.14	33.90
Average kilowatt hours per Kv.A.	2,819	1,161	3,249	3,761	2,991	2,970
CONSUMPTION OF ELECTRIC ENERGY (Thousands of kilowatt hours)						
Total kilowatt hours generated	48,493,718	147,470	29,050	762,339	696,519	27,323,311
Kilowatt hours imported from the United States	2,591	-	-	-	17	383
Kilowatt hours imported from other provinces	-	-	-	-	14,651	19,310
Kilowatt hours exported to the United States	1,925,867	-	-	-	46,128	* 2,308
Kilowatt hours exported to other provinces	-	-	-	5,734	33	5,892,347
KILOWATT HOURS FOR CONSUMPTION IN CANADA (thousands)						
Domestic service	6,750,303	40,051	10,526	147,522	97,752	1,199,887
Commercial light	2,805,459	17,213	7,815	72,368	54,795	712,633
Small power	791,959	13,338	2,494	70,274	33,197	145,039
Large power	30,133,617	53,360	2,610	351,467	419,239	17,512,197
Municipal power	781,547	897	740	4,588	2,879	182,099
Street lighting	303,276	2,537	498	8,268	7,506	58,886
Free service (other than street lighting)	85,914	2,626	40	1,993	555	66,741
Losses	4,914,367	17,448	4,327	100,125	49,103	1,570,867

* Excludes exports to other provinces and/or to the United States.

** Exports of 639,464,000 kw.hrs. of Quebec power to U.S.A. through Ontario are credited to Ontario. (See page 9, for explanation.)

*** Generating equipment is located mainly in other industries.

TABLEAU 12 - ENERGIE ELECTRIQUE GENEREE, 1950

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
TOUTES USINES						
2,718,518	2,449,383	903,144	869,064	2,535,412	59,508	Total Kw. heure générés (milliers)
26.23	5.05	1.86	1.79	5.23	0.12	Pourcentage du total pour le Canada
1,707	316	-	-	-	36	Kilowatt-heure générés par les usines non-génératrices (milliers)
2,716,811	2,449,067	903,144	869,064	2,535,412	59,472	Kilowatt-heure générés par les usines génératrices (milliers)
2,746,265	456,238	253,488	257,701	711,974	9,808	Capacité des usines génératrices en Kv.A.
52.87	61.29	40.67	38.49	40.65	-	Proportion de la production à la capacité maximum p.c.
4,631	5,369	3,563	3,372	3,561	-	Moyenne de kilowatt-heure par Kv.A.
USINES GENERATRICES						
USINES COMMERCIALES						
TOTAL						
1,685,808	1,616,984	565,995	500,009	2,252,083	32,613	Kilowatt-heure générés (milliers)
380,025	271,893	114,823	133,747	569,124	2,220	Capacité en Kv.A.
50.64	67.89	56.27	42.67	45.17	-	Proportion de la production à la capacité maximum p.c.
4,436	5,947	4,929	3,738	3,957	-	Moyenne de kilowatt-heure par Kv.A.
Usines Hydrauliques						
1,641,127	1,615,098	500,720	398,137	2,227,408	31,765	Kilowatt-heure générés (milliers)
342,132	271,100	90,000	100,077	562,511	1,500	Capacité en Kv.A.
54.76	68.01	63.52	45.41	45.21	-	Proportion de la production à la capacité maximum p.c.
4,797	5,958	5,564	3,978	3,960	-	Moyenne de kilowatt-heure par Kv.A.
Usines à combustible						
44,681	1,886	65,275	101,872	24,675	848	Kilowatt-heure générés (milliers)
37,893	793	24,823	33,670	6,613	720	Capacité en Kv.A.
13.46	27.15	30.02	34.54	42.59	-	Proportion de la production à la capacité maximum p.c.
1,179	2,378	2,630	3,026	3,731	-	Moyenne de kilowatt-heure par Kv.A.
USINES MUNICIPALES						
TOTAL						
1,031,003	832,083	337,149	369,055	283,329	26,859	Kilowatt-heure générés (milliers)
2,366,240	184,345	138,665	123,954	142,850	7,588	Capacité en Kv.A.
53.22	51.53	27.75	33.98	22.64	40.41	Proportion de la production à la capacité maximum p.c.
4,662	4,514	2,431	2,977	1,983	3,540	Moyenne de kilowatt-heure par Kv.A.
Usines Hydrauliques						
1,029,310	830,291	-	-	256,116	26,731	Kilowatt-heure générés (milliers)
2,365,840	183,250	-	-	125,830	7,150	Capacité en Kv.A.
53.22	51.72	-	-	23.23	42.68	Proportion de la production à la capacité maximum p.c.
4,662	4,531	-	-	2,035	3,739	Moyenne de kilowatt-heure par Kv.A.
Usines à combustible						
1,693	1,792	337,149	369,055	27,213	128	Kilowatt-heure générés (milliers)
400	1,095	138,665	123,954	17,020	438	Capacité en Kv.A.
48.32	18.69	27.75	33.98	18.25	3.33	Proportion de la production à la capacité maximum p.c.
4,233	1,637	2,431	2,977	1,599	292	Moyenne de kilowatt-heure par Kv.A.
TOUTES USINES HYDRAULIQUES						
2,670,437	2,445,389	500,720	398,137	2,483,524	58,496	Kilowatt-heure générés (milliers)
2,707,972	454,350	90,000	100,077	688,341	8,650	Capacité en Kv.A.
53.41	61.44	63.52	45.41	41.19	77.20	Proportion de la production à la capacité maximum p.c.
4,679	5,382	5,564	3,978	3,608	6,763	Moyenne de kilowatt-heure par Kv.A.
2,552,793	2,445,263	500,720	340,884	2,407,454	58,496	Kilowatt-heure générés par force motrice hydraulique (milliers)
117,644	126	-	37,253	76,070	-	Kilowatt-heure générés par les usines auxiliaires (milliers)
TOUTES USINES A COMBUSTIBLE						
46,374	3,678	402,424	470,927	51,888	976	Kilowatt-heure générés (milliers)
38,293	1,888	163,488	157,624	23,633	1,158	Capacité en Kv.A.
13.82	22.24	28.09	34.11	25.07	9.62	Proportion de la production à la capacité maximum p.c.
1,211	1,948	2,461	2,988	2,196	843	Moyenne de kilowatt-heure par Kv.A.
CONSOMMATION D'ENERGIE ELECTRIQUE (En Milliers de Kw.H.)						
2,718,518	2,449,383	903,144	869,064	2,535,412	59,508	Total de kilowatt-heure générés
-	528	87	226	1,350	-	Kilowatt-heure importés des Etats-Unis
5,883,430	474,458	574	16,430	-	-	Kilowatt-heure importés d'autres provinces
1,685,478	1	-	-	191,952	-	Kilowatt-heure exportés aux Etats-Unis
19,277	574	474,458	-	16,430	-	Kilowatt-heure exportés à d'autres provinces
KILOWATT-HEURE CONSOMMES AU CANADA (milliers)						
5,897,193	2,923,794	429,347	885,720	2,328,380	59,508	Service domestique
3,662,862	689,335	128,221	164,205	607,427	2,515	Eclairage commercial
1,251,450	185,802	76,114	120,235	309,356	1,678	Petite force motrice
251,731	91,107	38,256	66,184	79,488	851	Grosse force motrice
3,810,543	1,505,109	90,011	386,313	956,907	45,861	Energie (municipale)
413,601	130,328	14,731	22,480	4,173	5,031	Eclairage des rues
142,999	26,838	9,993	13,830	31,771	160	Service gratuit (autre que l'éclairage des rues)
7,007	571	291	4,214	1,209	667	Pertes
2,357,900	294,704	71,730	108,259	338,049	2,755	

Exclus les exportations par d'autres provinces et/ou aux Etats-Unis.

L'exportations de 639,464,000 kwh d'énergie de Québec aux E.U. en passant par l'Ontario est attribuée à l'Ontario. Voir explication, page 9.)

L'équipement générateur est situé principalement dans d'autres industries.

TABLE 13 - FUEL, 1950

	Bituminous Coal - Charbon Bitumineux			
	Canadian - Canadien		Imported - Importé	
	Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur
	Tons Tonnes	\$	Tons Tonnes	\$
Canada	X 937,668	X 5,269,450	98,731	833,786
Newfoundland	-	-	-	-
Prince Edward Island	991	11,164	-	-
Nova Scotia	280,139	2,243,541	-	-
New Brunswick	152,353	1,324,245	49	702
Quebec	1,372	15,565	-	-
Ontario	-	-	98,682	833,084
Manitoba	-	-	-	-
Saskatchewan	X 145,184	X 643,862	-	-
Alberta	X 302,577	X 704,079	-	-
British Columbia	X 55,052	X 326,994	-	-
Yukon and N.W.T.	-	-	-	-

	Fuel Oil and Diesel Oil - Mazout et huile diesel		Manufactured Gas - Gaz fabrique	
	Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur
	Gal. Gal.	\$	1,000 cu.ft. 1,000 pds.cu.	\$
Canada	36,375,949	3,179,725	14,459,871	336,730
Newfoundland	110,105	20,283	-	-
Prince Edward Island	2,795,298	272,157	-	-
Nova Scotia	345,871	52,979	14,455,066	332,467
New Brunswick	750,119	129,618	-	-
Quebec	780,886	150,898	-	-
Ontario	732,611	131,872	4,805	4,263
Manitoba	283,033	51,083	-	-
Saskatchewan	23,910,832	1,526,673	-	-
Alberta	1,175,935	219,966	-	-
British Columbia	5,366,808	590,137	-	-
Yukon and N.W.T.	124,451	34,059	-	-

Note: Tons = 2,000 lbs.
Gallons = Imperial.

X - Includes sub-bituminous coal.

TABLEAU 13 - COMBUSTIBLE, 1950

Lignite Coal - Charbon Lignite		Gasoline	
Canadian - Canadien		Quantity - Quantité	Value - Valeur
Quantity - Quantité	Value - Valeur		
Tons Tonnes	\$	Gal. Gal.	\$
89,211	137,683	13,930	3,994
-	-	169	42
-	-	6,693	1,775
-	-	-	-
-	-	-	-
-	-	414	129
895	4,412	785	207
-	-	-	-
88,222	132,622	4,004	900
-	-	1,785	918
94	649	80	23
-	-	-	-

Natural Gas - Gaz naturel		Other Fuel - Autre combustible	Total
Quantity - Quantité	Value - Valeur	Value - Valeur	Value - Valeur
1,000 cu.ft. 1,000 pds.cu.	\$	\$	\$
5,298,806	636,949	87,951	10,486,268
-	-	-	20,325
-	-	-	285,096
-	-	43	2,629,030
-	-	-	1,454,565
-	-	-	166,592
-	-	-	973,838
-	-	36,426	87,509
-	-	2,046	2,306,103
5,285,631	631,647	-	1,556,610
13,175	5,302	49,436	972,541
-	-	-	34,059

Note: Tonne = 2,000 livres.
Gallon = Impérial.

X - Y compris la houille maigre.

TABLE 14 - MAIN PLANT EQUIPMENT CLASSIFIED, 1950

	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
PRIMARY POWER..... H.P.	11,703,161	54,979	11,609	261,807	186,896	5,907,229	3,295,957
Water wheels and turbines No.	886	28	5	63	14	281	360
Total Capacity H.P.	11,029,799	54,715	369	143,958	104,260	5,904,389	3,248,752
Under 500 H.P. No.	105	6	5	15	2	17	44
Total Capacity H.P.	25,280	1,165	369	4,268	710	4,970	10,423
500 - 1,999 H.P. No.	220	13	-	22	1	55	116
Total Capacity H.P.	240,103	15,200	-	24,600	1,050	59,319	125,114
2,000 - 4,999 H.P. No.	158	8	-	16	6	36	72
Total Capacity H.P.	472,521	24,350	-	56,290	17,500	102,300	208,335
5,000 - 9,999 H.P. No.	103	-	-	10	1	31	28
Total Capacity H.P.	659,295	-	-	58,800	5,000	212,400	173,980
10,000 - 14,999 H.P. No.	87	1	-	-	-	25	47
Total Capacity H.P.	1,016,100	14,000	-	-	-	270,400	563,400
15,000 - 24,999 H.P. No.	59	-	-	-	4	23	14
Total Capacity H.P.	1,123,000	-	-	-	80,000	477,000	243,500
25,000 - 49,999 H.P. No.	90	-	-	-	-	57	15
Total Capacity H.P.	3,170,900	-	-	-	-	2,118,400	447,000
50,000 H.P. and up No.	64	-	-	-	-	37	24
Total Capacity H.P.	4,322,600	-	-	-	-	2,659,600	1,477,000
Steam reciprocating engines No.	10	-	-	2	2	-	-
Total Capacity H.P.	47,818	-	-	1,800	1,800	-	-
Under 500 H.P. No.	2	-	-	-	-	-	-
Total Capacity H.P.	408	-	-	-	-	-	-
500 H.P. and up No.	8	-	-	2	2	-	-
Total Capacity H.P.	47,410	-	-	1,800	1,800	-	-
Steam turbines No.	90	-	4	20	9	-	4
Total Capacity H.P.	532,118	-	6,680	113,381	71,870	-	45,750
Under 500 H.P. No.	1	-	-	-	-	-	-
Total Capacity H.P.	267	-	-	-	-	-	-
500 - 1,999 H.P. No.	23	-	3	4	1	-	-
Total Capacity H.P.	25,249	-	4,180	3,881	1,000	-	-
2,000 - 4,999 H.P. No.	31	-	1	8	3	-	-
Total Capacity H.P.	97,405	-	2,500	24,125	11,000	-	-
5,000 H.P. and up No.	35	-	-	8	5	-	4
Total Capacity H.P.	409,197	-	-	85,375	59,870	-	45,750
Gas and oil engines No.	468	4	12	14	21	17	5
Total Capacity H.P.	93,426	264	4,560	2,668	8,966	2,840	1,455
SECONDARY POWER							
Dynamos, A.C. and D.C. No.	1,447	33	20	99	46	298	370
Total Capacity Kv.A.	9,725,393	46,308	9,035	222,851	161,330	5,031,893	2,636,072
Dynamos, A.C. No.	1,398	33	18	99	46	298	368
Total Capacity Kv.A.	9,723,149	46,308	8,860	222,851	161,330	5,031,893	2,635,957
Under 50 Kv.A. No.	117	4	2	7	-	1	-
Total Capacity Kv.A.	3,156	149	61	186	-	30	-
50 - 199 Kv.A. No.	225	4	5	7	12	18	23
Total Capacity Kv.A.	24,788	437	368	735	1,323	1,767	3,249
200 - 499 Kv.A. No.	183	4	5	17	7	26	40
Total Capacity Kv.A.	55,869	960	1,486	5,300	2,187	9,081	12,178
500 - 999 Kv.A. No.	153	6	2	16	3	31	65
Total Capacity Kv.A.	108,744	4,000	1,320	10,770	2,250	23,725	46,870
1,000 - 4,999 Kv.A. No.	319	14	4	40	15	53	120
Total Capacity Kv.A.	736,710	30,512	5,625	112,435	33,475	117,033	258,190
5,000 - 9,999 Kv.A. No.	112	-	-	10	3	21	46
Total Capacity Kv.A.	768,175	-	-	62,175	24,710	129,100	345,180
10,000 - 14,999 Kv.A. No.	83	1	-	1	1	31	28
Total Capacity Kv.A.	898,175	10,250	-	12,500	11,760	323,000	302,790
15,000 - 24,999 Kv.A. No.	76	-	-	1	5	25	20
Total Capacity Kv.A.	1,481,625	-	-	18,750	85,625	484,750	415,000
25,000 - 49,999 Kv.A. No.	92	-	-	-	-	69	14
Total Capacity Kv.A.	3,379,007	-	-	-	-	2,448,507	630,500
50,000 Kv.A. and up No.	38	-	-	-	-	23	12
Total Capacity Kv.A.	2,266,900	-	-	-	-	1,494,900	622,000
Dynamos, D.C. No.	49	-	2	-	-	-	2
Total Capacity Kw.	2,244	-	175	-	-	-	115
Under 50 Kw. No.	44	-	-	-	-	-	1
Total Capacity Kw.	819	-	-	-	-	-	15
50 - 199 Kw. No.	3	-	2	-	-	-	1
Total Capacity Kw.	275	-	175	-	-	-	100
200 - 499 Kw. No.	1	-	-	-	-	-	-
Total Capacity Kw.	400	-	-	-	-	-	-
500 Kw. and up No.	1	-	-	-	-	-	-
Total Capacity Kw.	750	-	-	-	-	-	-

TABLEAU 14 - OUTILLAGE CLASSIFIÉ DES USINES PRINCIPALES, 1950

Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	Commercial	Municipal	
596,482	313,125	278,396	785,519	11,162	6,716,066	4,987,095	FORCE MOTRICE PRIMAIRE H.P.
44	6	11	71	3	463	423	<u>Turbines et roues hydrauliques</u> .. Nomb.
594,300	106,500	105,300	757,526	9,730	6,471,350	4,558,449	Capacité totale H.P.
-	-	-	15	1	57	48	Moins de 500 H.P. Nomb.
-	-	-	3,185	190	13,431	11,849	Capacité totale H.P.
-	-	1	12	-	106	114	500 - 1,999 H.P. Nomb.
-	-	800	14,020	-	107,043	133,060	Capacité totale H.P.
4	-	2	13	1	85	73	2,000 - 4,999 H.P. Nomb.
12,800	-	8,000	40,946	2,000	255,371	217,150	Capacité totale H.P.
21	-	4	7	1	43	60	5,000 - 9,999 H.P. Nomb.
130,000	-	24,000	47,575	7,540	269,605	389,690	Capacité totale H.P.
8	-	1	5	-	36	51	10,000 - 14,999 Nomb.
96,000	-	13,500	58,800	-	407,500	608,600	Capacité totale H.P.
-	6	3	9	-	41	18	15,000 - 24,999 H.P. Nomb.
-	106,500	59,000	157,000	-	815,500	307,500	Capacité totale H.P.
11	-	-	7	-	71	19	25,000 - 49,999 H.P. Nomb.
355,500	-	-	250,000	-	2,611,900	559,000	Capacité totale H.P.
-	-	-	3	-	24	40	50,000 H.P. et plus Nomb.
-	-	-	186,000	-	1,991,000	2,331,600	Capacité totale H.P.
-	1	5	-	-	4	6	<u>Machines à vapeur</u> Nomb.
-	750	43,468	-	-	2,208	45,610	Capacité totale H.P.
-	-	2	-	-	2	-	Moins de 500 H.P. Nomb.
-	-	408	-	-	408	-	Capacité totale H.P.
-	1	3	-	-	2	6	500 H.P. et plus Nomb.
-	750	43,060	-	-	1,800	45,610	Capacité totale H.P.
-	26	19	8	-	38	52	<u>Turbines à vapeur</u> Nomb.
-	169,149	115,140	10,148	-	218,473	313,645	Capacité totale H.P.
-	1	-	-	-	-	1	Moins de 500 H.P. Nomb.
-	267	-	-	-	-	267	Capacité totale H.P.
-	6	2	7	-	7	16	500 - 1,999 H.P. Nomb.
-	7,040	2,000	7,148	-	7,750	17,499	Capacité totale H.P.
-	8	10	1	-	16	15	2,000 - 4,999 H.P. Nomb.
-	21,730	35,050	3,000	-	51,600	45,805	Capacité totale H.P.
-	11	7	-	-	15	20	5,000 H.P. et plus Nomb.
-	140,112	78,090	-	-	159,123	250,074	Capacité totale H.P.
10	174	111	87	13	210	258	<u>Moteurs à gaz et à pétrole</u> Nomb.
2,182	36,726	14,488	17,845	1,432	24,035	69,391	Capacité totale H.P.
							FORCE MOTRICE SECONDAIRE
53	205	143	164	16	711	736	<u>Dynamos, C.A. et C.D.</u> Nomb.
442,488	253,488	241,039	671,081	9,808	5,600,662	4,124,731	Capacité totale Kv.A.
53	171	134	162	16	680	718	<u>Dynamos, C.A.</u> Nomb.
442,488	252,855	239,788	671,011	9,808	5,599,966	4,123,183	Capacité totale Kv.A.
2	41	38	17	5	78	39	Moins de 50 Kv.A. Nomb.
16	1,144	994	411	163	1,992	1,164	Capacité totale Kv.A.
2	45	52	48	9	103	122	50 - 199 Kv.A. Nomb.
150	4,939	5,159	5,516	1,145	10,385	14,403	Capacité totale Kv.A.
4	41	9	30	-	58	125	200 - 499 Kv.A. Nomb.
1,220	12,771	2,535	8,151	-	16,896	38,973	Capacité totale Kv.A.
1	10	3	16	-	75	78	500 - 999 Kv.A. Nomb.
500	6,636	2,040	10,633	-	50,945	57,799	Capacité totale Kv.A.
14	18	20	20	1	153	166	1,000 - 4,999 Kv.A. Nomb.
46,350	33,865	53,250	44,475	1,500	366,440	370,270	Capacité totale Kv.A.
11	5	4	11	1	49	63	5,000 - 9,999 Kv.A. Nomb.
70,750	28,500	27,060	73,700	7,000	339,493	428,682	Capacité totale Kv.A.
8	5	2	6	-	35	48	10,000 - 14,999 Kv.A. Nomb.
80,000	58,500	23,750	75,625	-	407,815	490,360	Capacité totale Kv.A.
9	6	6	4	-	45	31	15,000 - 24,999 Kv.A. Nomb.
178,500	106,500	125,000	67,500	-	863,500	618,125	Capacité totale Kv.A.
2	-	-	7	-	60	32	25,000 - 49,999 Kv.A. Nomb.
65,000	-	-	235,000	-	1,999,000	1,380,007	Capacité totale Kv.A.
-	-	-	3	-	24	14	50,000 Kv.A. et plus Nomb.
-	-	-	150,000	-	1,543,500	723,400	Capacité totale Kv.A.
-	34	9	2	-	31	18	<u>Dynamos, C.D.</u> Nomb.
-	633	1,251	70	-	696	1,548	Capacité totale Kw.
-	34	7	2	-	29	15	Moins de 50 Kw. Nomb.
-	633	101	70	-	521	298	Capacité totale Kw.
-	-	-	-	-	2	1	50 - 199 Kw. Nomb.
-	-	-	-	-	175	100	Capacité totale Kw.
-	-	1	-	-	-	1	200 - 499 Kw. Nomb.
-	-	400	-	-	-	400	Capacité totale Kw.
-	-	1	-	-	-	1	500 Kw. et plus Nomb.
-	-	750	-	-	-	750	Capacité totale Kw.

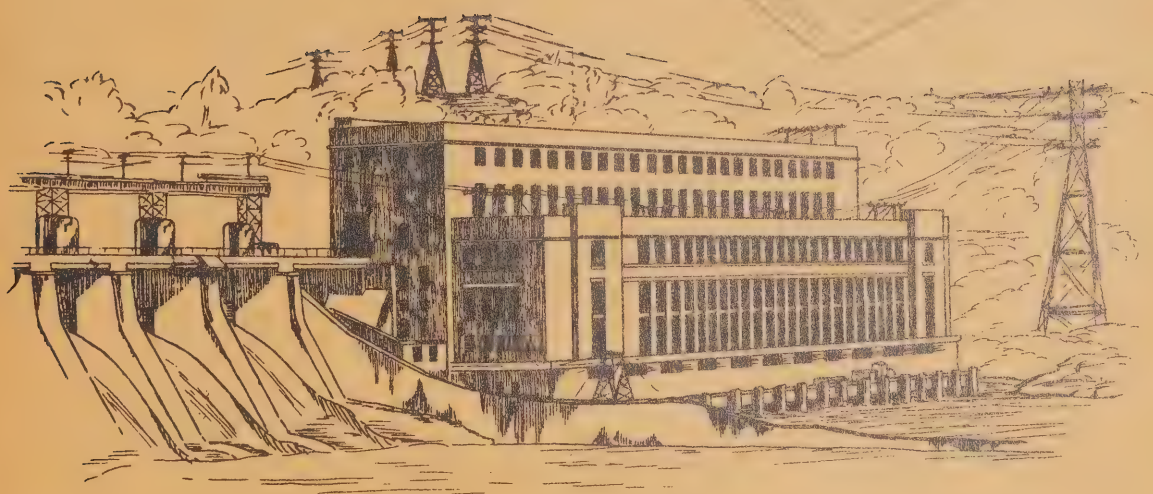
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GOVERNMENT OF CANADA

Electric power statistics

CENTRAL ELECTRIC STATIONS

1951



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THE CENTRAL ELECTRIC STATION INDUSTRY

1951

Introduction

For purposes of the annual census, central electric stations are defined as companies, municipalities, or individuals selling or distributing electric energy, whether generated by themselves or purchased for resale. The stations are divided into two classes according to ownership, viz., (a) commercial, those operated by companies or individuals, and (b) municipal (or publicly-owned), - those operated by municipal, provincial or federal governments. The stations are also divided according to operation into (a) generating, those stations generating power which they sell (many of them also purchase power to supplement their own output), and (b) non-generating, those stations which purchase practically all the power they sell. In this last class there were 12 stations which were holding generating equipment classed as auxiliary plant equipment. Seven of them purchased all their electric energy and the remaining five generated only 2,364,000 kilowatt hours during 1951. This explains the rather anomalous item in table 12 showing the output of "non-generating" stations.

Included in the report are statistics covering a few stations concerned primarily with other industries, such as mining, manufacturing of pulp and paper, etc., and which sell surplus power. For such plants the statistics pertaining to the central electric station phase of the industry have been segregated as far as possible. Equipment, which is not used primarily for the Central Electric Station Industry, is not shown in the current report, accounting for the drop in the number of units listed for commercial stations as compared with years prior to 1947 and a rise in some provinces in the average number of kw. hrs. generated per H.P. and per K.V.A. as shown in table 12. This applies especially in Saskatchewan, Alberta and in the Yukon and Northwest Territories.

Stations are allowed to file returns for their fiscal years, which are not calendar years in all cases. Consequently, the output as recorded in this annual report will not coincide with the output for the twelve calendar months shown in the monthly reports. The various data, however, in the annual reports are for comparable periods. Moreover, the monthly does not include statistics for the smaller stations and shows the net amount of power generated^x by reporting stations, whereas the annual excludes all power for company use. Further, for long term comparability, the monthly report retains the West Kootenay plants which were dropped from the annual in 1947, as their entire output was taken over by the purchasing company and is reported under the metal smelting and refining industry.

During 1951 primary power consumed in Canada (including all line losses) increased from 43,677,058,000 kilowatt hours in 1950 to 49,348,567,000 kilowatt hours, or by 13 per cent, while the consumption of secondary power rose from 2,893,384,000 kilowatt hours in 1950 to 3,136,711,000 or by 8.4 p.c., reflecting some easing in the supply situation.

Secondary power is off-peak or surplus power delivered as it is available. It is subject to interruption or variation daily and seasonally, and consequently is often sold at relatively low rates. The stations endeavour to keep their "secondary" customers advised as much in advance as possible of interruptions or reductions, which may be due to variations in water supply or in the demands of customers for primary power.

^x Output less station use.

Primary power, also known in the industry as "firm power", is power delivered as and when demanded or required by the customer. Stations must be ready to deliver power to primary power customers up to the rate contracted for whenever the customer requires it, and consequently must have sufficient capacity or interconnections to take care of all such demands. In practice, all customers on a system do not require their maximum deliveries at the same time and generally there is a considerable difference hourly and daily in the rate at which the power plant must operate to produce the power as required. Most of the secondary power is sold to pulp and paper mills for the production of low pressure steam, where short interruptions of electric energy for the boilers can be tolerated without much inconvenience. Secondary sales are confined mainly to Quebec, Ontario and Manitoba, with Quebec using over 60 p.c. of the total secondary consumed in Canada during 1951.

Based on monthly reports, the consumption of primary power has continued to increase steadily since September of 1946 and is currently double that month. Deliveries of secondary power had risen to a peak in 1946 but post war industrial activity and rearmament plus a steadily rising domestic demand reduced the amount of secondary power available to relatively low levels, with only 3,136,711,000 kilowatt hours consumed in Canada in 1951 and 3,742,967,000 in 1952. During 1952 there was a minor advance in secondary use over 1951 due to the near-record addition of new hydro and thermal plant capacity during 1952 and a currently good water supply, although increasing industrial and domestic requirements still threaten to strain existing facilities, particularly in Southern Ontario, where a vast expansion project is underway at Niagara and the St. Lawrence development is eagerly awaited.

During 1951, as illustrated on page 3, the pulp and paper industry continued as the largest overall consumer of electrical energy although the metal smelting and refining industry, of which the aluminium group is the leader, surpassed the pulp and power industry as a customer of the central electric stations. Some 16.8 p.c. of central station output was delivered to the pulp and paper group compared with 17.4 p.c. in 1950, whereas the metal smelting and refining took 18.2 p.c. during 1951 against 18.7 p.c. in 1950. Residential customers used 7,726,114,000 kilowatt hours in 1951 compared with 6,750,303,000 in 1950 and some 234 p.c. above the 2,310,891,000 kilowatt hours used in 1939 - a remarkable growth in the period. Average used per domestic or residential customer rose 83.9 p.c. in the same comparison.

The net output of electric energy for secondary use in Canada each month is shown below:

SECONDARY POWER FOR USE IN CANADA

(Thousands of Kilowatt Hours)

Month	1947	1948	1949	1950	1951
January	591,531	227,866	143,678	169,819	244,145
February	566,473	211,963	136,002	194,374	228,816
March	629,033	167,122	157,140	209,277	294,631
April	539,236	255,006	453,584	223,511	460,210
May	574,708	433,290	499,246	422,344	491,704
June	546,714	216,772	382,419	439,123	240,981
July	485,508	150,748	199,735	327,276	186,456
August	385,453	147,229	124,006	200,387	121,216
September	362,825	111,420	137,703	127,020	128,290
October	434,161	114,191	228,065	153,273	206,104
November	265,024	126,923	189,875	171,910	261,983
December	215,678	141,457	188,529	255,070	272,175
TOTAL	5,595,344	2,303,987	2,839,982	2,893,384	3,136,711

For the following table, data covering the first 7 groups were taken from the industrial census reports on the industries; the consumption for "other industries" was computed by deduction, and consequently is only approximate. Ferro-alloys and steel furnaces are included under the heading of Primary Iron and Steel, which also covers pig iron and rolling mills. Purchases and generation of mining companies, previously with "other industries", have been segregated since 1949.

DISTRIBUTION AND CONSUMPTION OF ELECTRIC ENERGY GENERATED, 1951
(Thousands of Kilowatt Hours)

Industries	Central Electric Station Power Purchased		Power Generated by the Industries for own use
	Total Central Electric Stn. Power	P.C. of Total Production	
Pulp and Paper	9,230,524	16.83	3,932,662
Primary Iron and Steel	2,179,611	3.97	215,642
Abrasives	1,121,261	2.04	-
Chemicals, industrial	3,129,489	5.71	126,434
Metal, Smelting & Refining	9,993,886	18.22	624,490
Other Manufacturing	5,588,479	10.19	1,469,866
Total Manufacturing	31,243,250	56.96	6,369,094
Mining	2,616,543	4.77	212,832
Other Industries	843,198	1.54	
Domestic Service (Residential)	7,726,114	14.09	
Commercial Lighting	3,152,501	5.75	
Municipal Power	795,233	1.45	
Street Lighting	320,722	0.58	
Free Service	71,444	0.13	
Exports to U.S.A.	2,375,522	4.33	
Losses	5,707,317	10.40	
TOTAL OUTPUT OF CENTRAL ELECTRIC STATIONS	54,851,844	100.00	

Electricity is exported from Canada only under licence granted by the Standards Branch of the Department of Trade and Commerce, and the same has jurisdiction over the export duty, which has been imposed since April 1, 1925. During the calendar year ended December 31, 1951, this export duty amounted to \$712,654.40. The rate on electric energy exported is three one-hundredths of one cent per kilowatt hour.

Following is a table showing the quantities of power exported for the calendar years 1950 and 1951. The data for this table were compiled from the reports of the Director of the Standards Branch, Department of Trade and Commerce.

KILOWATT HOURS EXPORTED TO THE UNITED STATES
(Calendar Years 1950 and 1951)

Company	Exported	Exported
	1950	1951
	Kw. Hrs.	Kw. Hrs.
Hydro Electric Power Commission of Ontario	361,458,100	392,036,000
" " " " " (surplus) - Niagara..	321,400,600	467,174,800
" " " " " " - Cornwall.	25,845,000	250,212,000
Quebec Hydro Commission (via Cedar Rapids Transmission).....	639,464,158	644,017,559
Canadian Niagara Power Company, Ltd.	264,955,389	303,659,737
" " " " " (surplus)	35,171,279	37,965,840
Ontario and Minnesota Power Company	36,867,000	39,340,000
Maine and New Brunswick Electric Power Company	40,915,878	41,242,268
British Columbia Electric Railway Company, Ltd.....	191,878,084	188,185,858
Northport Power and Light Company	51,670	-
West Kootenay Power and Light Company, Ltd.	-	42,866
Southern Canada Power Company	2,307,880	2,976,256
Northern British Columbia Power Company	22,030	18,710
Fraser Companies, Ltd.	5,211,900	8,318,900
Detroit and Windsor Subway Company	316,600	325,300
Manitoba Power Commission	1,068	6,134
TOTAL	1,925,866,636	2,375,522,228

Of the total Canadian output of 54,851,844,000 kilowatt hours in 1951, 52,955,002,000 kilowatt hours, or 96.5 per cent, were produced from water power, whereas only 1,680,322,000 kilowatt hours were produced by plants using only thermal engines and 216,520,000 kilowatt hours were produced by thermal auxiliary equipment in hydraulic plants and in "non-generating" stations.

Total hydraulic installations in all industries in Canada at the close of 1951, including active and inactive plants, as compiled by the Water Resources Division, Department of Resources and Development, were rated at 13,342,504 horse power, an increase of over three-quarters of a million horse power in the year. The following table shows the available and developed water power in each province at the end of 1952.

POTENTIAL AND DEVELOPED WATER POWER IN CANADA

Province	Available 24-hour Power at 80% Efficiency - end of 1952		Turbine Installation December 31	
	At Ordinary Minimum Flow	At Ordinary Six Months Flow	1 9 5 1	1 9 5 2
	H.P.	H.P.	H.P.	H.P.
Newfoundland	958,500	2,754,000	279,160	292,660
Prince Edward Island	500	3,000	2,299	2,299
Nova Scotia	25,500	156,000	150,960	162,455
New Brunswick	123,000	334,000	132,911	135,511
Quebec	10,896,000	20,445,000	6,755,351	7,263,621
Ontario	5,407,000	7,261,000	3,718,505	3,948,466
Manitoba	3,333,000	5,562,000	596,400	716,900
Saskatchewan	550,000	1,120,000	111,835	111,835
Alberta	508,000	1,258,000	207,825	207,825
British Columbia	7,023,000	10,998,000	1,358,808	1,432,858
Yukon & Northwest Territories	382,500	814,000	28,450	31,450
CANADA	29,207,000	50,705,000	13,342,504	14,305,880

The horse power figures based on flow in columns 2 and 3 are estimated only upon rapids, falls and power sites of which the actual drop or head possible of concentration is definitely known or reasonably well established and represent only the minimum possibilities. Many remoter water-powers of greater or less capacity from coast to coast have not yet been recorded, which will considerably increase the totals. With the construction of storage basins and other regulating works, these potential power figures could be further increased. It is common practice, and feasible in most developments, to install equipment with capacity much greater than the theoretical continuous power of the waterfall and on this basis it is estimated that the maximum economic turbine installation capacity of the recorded water-powers of Canada was more than 65,000,000 horse power at the end of 1951. Vast reserves of power beckon industry still farther northward; the distance that power can be economically transmitted is being increased well beyond 300 miles, and more efficient use of capacity is being attained through system interconnections.

Figuratively, every Canadian has the miracle of an "electric horse" at his command to help him do his work, to light his way, to chill or cook his food, to power his machine, to drive his tram or train, to bring him music, video and entertainment, to turn night into day, and do a thousand and one things with incredible speed and efficiency. The miracle of electricity has made possible our relatively high standard of living and the tremendous development of the past half century. It has sired our huge pulp and paper, aluminium, chemical, smelting and refining, and electrical industries, atomic research, and so on. Its magic has tamed the wilderness and caused great towns and industries to rise where tiny villages stood. More than any one material factor, abundant electric power has made Canada industrially great and helped immeasurably to preserve us against aggression.

TABLE 1 - (Page 14) - COMPARATIVE SUMMARY, 1939 - 1951

In the period from 1939 to 1951 the revenues of central electric stations have climbed from \$151,880,969 to \$374,643,376, an increase of 146.7 p.c., while electric energy generated advanced from 28,338 million kilowatt hours to nearly 54,852 million or by almost 94 p.c. The number of customers served also rose appreciably in all classes, with domestic consumers, including farm service, numbering 2,951,988 in 1951, an increase of 1,328,316 or 82 p.c. over the 12 year span. Average consumption rose almost 84 p.c. in a similar comparison for domestic customers.

With the steady expansion of publicly-owned facilities, municipal, provincial and federal systems secured 57.25 p.c. of total revenues for 1951 compared with 39.07 p.c. in 1939. Revenues reported by all distributors from domestic service brought \$127,660,008 for 1951 compared with \$109,015,402 in 1950 and \$43,793,482 in 1939. Commercial lighting produced \$64,350,751 or \$6,983,667 more than in 1950 while large power users, such as paper mills, smelters and factories, paid \$153,194,798 in 1951 against \$130,399,267 during the preceding year.

Expenses reported, which include only the four items - wages, fuel, taxes and cost of power purchased advanced from \$233,475,040 in 1950 to \$264,006,022 in 1951. Reported taxes were up \$10,183,080 to \$42,006,610. Details are shown at the top of page 10, indicating a rise in municipal, provincial and federal taxes paid by both commercial and municipal stations over 1950. Salaries and wages totalled \$101,856,252 against \$88,988,681 as employees rose by 1,355 to 34,228. Cost of purchased power (inter-changed between stations) increased from \$102,176,561 in 1950 to \$109,142,759. Fuel costs rose from \$10,486,268 to \$11,000,401.

Pole line mileage continued to advance steadily at 170,582 miles compared with 151,726 miles in 1950 and 72,132 miles in 1939. Customers numbered 3,439,750, an increase of 169,926 or 5.2 p.c. over 1950 and 77 p.c. over the 1939 figure. In the same span the population of Canada rose over 24 p.c. Domestic (including farm) customers represented almost 86 p.c. of the national total in 1951.

Generation by all reporting stations during 1951 totalled 54,851,844,000 kilowatt hours, of which 2,375,522,000 were exported to the United States. Imports were 8,956,000 kilowatt hours, mainly into British Columbia. Commercial stations generated 30,471,042,000 compared with 28,432,404,000 kilowatt hours in 1950 while municipal or publicly-owned stations accounted for 24,380,802,000 or 44.4p.c. of the national total in 1951 against 41.4 p.c. in the preceding year. New installations and improved precipitation contributed to the general advance over 1950.

However, municipal or publicly-owned stations purchased considerable of the output of commercial stations at wholesale and distributed it to their widespread customers. This is particularly true of Western Quebec where commercial stations, such as those of Gatineau Power and MacLaren deliver a large part of their production across the Ottawa River to the Ontario Hydro-Electric Power Commission system. Revenues of municipal stations were \$214,493,777 in 1951 compared with \$160,149,599 for commercial stations and the municipal group had over twice as many customers as the commercial.

The total capacity of primary equipment in central station main plants registered an increase of about 9 p.c. from 1950, advancing 1,078,449 to 12,781,610 horse power. Primary here signifies water wheels and turbines, steam and internal combustion engines used to operate generators, which in turn are classed as secondary power equipment.

(Note) Some comparisons with years previous to 1947 are affected by the Consolidated Mining and Smelting Company taking over the West Kootenay central electric plants 2, 3, 4 and 5 in British Columbia and absorbing the plants and their output as part of the mining and smelting industrial group.

TABLE 2 - (Page 16) - DOMESTIC SERVICE, 1939 - 1951

This table illustrates the steady growth in the number of domestic customers, total consumption, revenue, average consumption per customer and in the annual average bill over the period from 1939 to 1951, for Canada and in each province. Contrasting with these advances in the industry is the noteworthy decrease in revenue per kilowatt hour - a unique exception in an era of steeply rising prices. This is confirmed by the annual index of cost of electricity for domestic service which dropped from 103.3 in 1939 (on the 1935-39 base of 100) to 94.3 in 1951. However, higher costs per unit of new installation, reconversion in Ontario, and increased costs of wages and materials have forced higher rate tariffs since 1949.

In all provinces the number of domestic customers, including farms, registered encouraging gains during this period, the percentage increases ranging from 61.5 p.c. in Ontario to 117.6 p.c. in New Brunswick. The greater use of electricity is illustrated by the considerable advance in the average kilowatt hours purchased per customer with the Canada total at 2,617 kw. hrs. for 1951 compared with only 1,423 in 1939 - a rise of almost 84 p.c. Ontario's consumption rose about 87 p.c. per domestic customer from an average of 1,909 to 3,568 kw. hrs., but the average bill increased only 63 p.c. The rate of consumption also climbed steadily in all other provinces with the Maritimes, Quebec, Alberta and British Columbia registering large increases. Revenues from domestic sales totalled \$127,660,008 in 1951, 191.5 p.c. or \$83,866,526 above the \$43,793,482 reported for 1939 and \$18,644,606 more than in 1950. The average annual consumption per domestic customer varied widely between provinces, Manitoba still leading with a 1951 average of 4,813 kw. hrs., due mainly to flat rate water heaters, while New Brunswick and Prince Edward Island showed the lowest averages. Ontario was second with 3,568 kw. hrs. followed by British Columbia with 2,373 and Quebec with 1,748 kw. hrs.

Compared with the spectacular growth in consumption, the annual average bills registered moderate year to year increases over the past twelve years. The 1951 average bill stood at \$43.25 against \$26.97 for 1939, an increase of 60 p.c., whereas consumption per customer rose nearly 84 p.c. Provincial bills ranged from \$56.81 for Manitoba to \$33.41 for Quebec while average domestic service revenue per kilowatt hour in Canada was 1.65 cents in 1951, little changed from 1950 but 13 p.c. under the 1.9 cents per kilowatt hour received in 1939. The bills exclude federal, provincial or municipal taxes on electricity purchased. Prince Edward Island, New Brunswick, Saskatchewan and Alberta average revenues are affected by the higher costs of thermal generation from coal, etc., while the Manitoba revenue is lowest due to the widespread use of flat rate water heaters.

A comparison with other countries shows Canadians enjoy one of the lowest rates per kilowatt hour in the world. In the United States the average revenue per kilowatt hour sold to residential or domestic customers averaged 2.81 cents in 1951 against 1.65 cents per kilowatt hour in Canada. Commercial and industrial sales in the United States fetched 1.4 cents per kilowatt hour compared with 0.6 cents for Canada in the same year.

TABLE 3 - (Page 18) - POWER PLANTS

Generating stations are the individual power plants of the central electric organizations. Each building housing power-producing machinery is counted as a generating station. The commercial organizations

are companies or individuals selling electric energy and the municipal group includes urban and rural municipalities, provincial commissions, etc., selling power. Those generating power may operate from one to several power plants each, sometimes sited at different falls or rapids on the same river, e.g., the Gatineau, Saguenay, Ottawa, etc. The largest system serving 1,175 municipalities is the Ontario Hydro-Electric Power Commission which operated 64 hydraulic plants and 8 fuel-electric generating plants in 1951. The auxiliary or standby plants are thermal power equipment belonging to hydraulic systems or non-generating systems and are not included as generating stations.

Of the 647 plants reporting operations during 1951, 357 were hydraulic, principally in Ontario, Quebec and British Columbia, while 290 were thermal situated mainly in Saskatchewan and Alberta. However, the hydraulic stations generated almost 97 p.c. of the power produced in Canada during the year.

TABLE 4 - (Pages 20-21) - REVENUES

Central electric stations report a division of customers, consumption and revenue according to the following headings: (1) farm service, (2) domestic service, which includes lighting and all other residential uses, (3) commercial light, (4) power, small, 50kw. and under, (5) power, large, over 50 kw., (6) power, municipal, mainly used in municipal water pumping stations, (7) sales to distributing companies, and (8) street lighting; and also, the quantity of electricity supplied free to public buildings, company towns, etc.

The revenue is the gross revenue less cost of power, or is the revenue received from the consumers, except where power is purchased by a station in one province from a station in another province, the cost of such power is not deducted in computing provincial data, but is deducted in computing the national totals.

The average revenues per kilowatt hour sold are affected by many factors and are not always indicative of the relative costs for similar services. The averages for domestic services and for commercial lighting are for more or less identical services for each station, but even here the use of electric stoves, space heaters, flat rate water heaters, the source of supply, the firm power load, the market for off-peak and surplus power, and the cost of generation, transmission, and distribution all affect the rates. Domestic service data are discussed further at the end of the text. As might be expected, Quebec stations with their enormous sales to pulp and paper mills, aluminium plants, wholesale to Ontario, etc., showed a smaller proportion of revenue from domestic service than any other stations, excepting those in the Yukon - Northwest Territories, although greater in dollars than those in other provinces except Ontario. In computing the average total revenue per kilowatt hour, all line losses were included, but for domestic service and farm services, for commercial light, etc., line losses were not included, the consumptions for these services being measured at the consumers' meters. The average revenue per kilowatt hour consumed for each province is the revenue received from ultimate consumers within each province plus revenue received for power exported from the province, divided by the total kilowatt hours so sold, including all line losses. The average revenues per kilowatt hour for domestic service are affected by the consumption per customer and by the relative quantities used for lighting, cooking and water heaters, etc.; often different rates apply to these varied services. In most municipalities, when the consumption increases, the average cost per kilowatt hour to the consumer decreases. Also, where flat rates apply to water heaters, the average cost per kilowatt hour for all domestic services is reduced and, as the number of flat rate heaters is increased, the average for the municipality or province is decreased, unless offset by increases in rates elsewhere. The average revenue of 1.65 cents per kilowatt hour for all domestic service (or 1.56 cents with farm service excluded)

compares with an average of 2.81 cents in the United States, or 70 p.c. above the Canadian figure. About 73 p.c. of U.S. generation in 1951 was by steam and internal combustion engine compared with only 3.5 p.c. in Canada. The average revenues per horse power and per kilovolt ampere are affected by the classes of service and their relative importance in each province. Quebec stations sell large quantities of power to Ontario distributors. The Quebec stations are credited with the wholesale revenue and the Ontario stations with the retail revenue from this power. In computing the averages for Ontario stations, the equipment capacities shown in table 12 were increased one horse power for each 4,576 kilowatt hours imported from Quebec stations and one kilovolt ampere for each 6,136 kilowatt hours imported. This is only an estimate of the equipment and was based on the Ontario Hydro-Electric Power Commission's contracts with Quebec companies which call for 88 kilowatt hours per week for each horsepower purchased. It is probable this output may be a little too high for all the power imported from Quebec, and consequently the divisors are too small and the average revenues may be too high. This is also true in classes where the generating equipment is credited to other industries. However, it is not likely the errors are large and the adjusted averages are more nearly comparable with the averages for the other provinces than the unadjusted averages as shown in reports previous to 1936. The imports into other provinces are relatively so small that their effects on the averages would be negligible.

Provincial and municipal taxes on domestic bills, where imposed, have not been included as either revenue or expenses. In Quebec a 2 p.c. provincial tax was in effect while in Saskatchewan and British Columbia a sales tax of 3 p.c. was collected. (For further details see "Cost of Electricity for Domestic Service, etc. 1952" published by D. B. S.)

TABLE 5 - (Pages 22-23) - EXPENSES

This table includes only the four expense items, (1) salaries and wages, (2) fuel, (3) taxes and (4) cost of purchased power. The last is an intra-industry expense and might be omitted from the expenses of the industry as a whole. It shows, however, the extent of purchases of power by the different groups of stations. The cost of power item includes the cost to municipalities receiving their supply from provincial commissions as well as the interchange of power between generating stations and also between generating and non-generating. As explained above, the sales taxes on domestic bills have not been included in the taxes given in this table.

To supplement Table 5, the details of taxes reported by commercial and municipal stations follow on page 10. Only in the few cases, where the station absorbed the sales taxes, are such taxes included. Water rentals, also, are excluded. The Federal Unemployment Insurance Tax did not apply generally to utility employees until September 1, 1943, but apparently more stations than previously included the employer payments as a Federal tax in 1951. Similarly, all stations did not include under taxes, the federal and provincial taxes on gasoline used by their vehicles, etc. It is common practice to treat sales tax as part of the cost of the commodity. The Federal tax included income and excess profits tax, tax on exports of electricity, and the two mentioned above. The greater part of the municipal tax paid by municipal stations, was tax payments continued by the Ontario Hydro-Electric Commission on plants acquired from commercial stations, and in Quebec export taxes and other taxes paid by the Quebec Hydro-Electric Commission, principally to the City of Montreal. In addition, the Quebec Commission was obligated to contribute \$2,240,000 to the provincial Education Fund, which item was not reported as a tax until 1947. Total taxes reported by the industry during 1951, including the contribution of Quebec Hydro, were \$42,006,610. Commercial stations paid about 82 p.c. of the tax total while securing under 43 p.c. of total revenues for the industry.

REPORTED TAXES, 1951

Provinces	Commercial Stations				Municipal or Publicly-Owned Stations			
	Municipal	Provincial	Federal	Total Taxes	Municipal	Provincial	Federal	Total Taxes
Newfoundland	27,219	34,704	347,902	409,825	-	-	240	240
P. E. Island	30,471	4,669	55,916	91,056	-	-	-	-
Nova Scotia	578,665	118,056	963,439	1,660,160	91,048	1,390	2,923	95,361
New Brunswick	86,536	36,294	225,339	348,169	1,278	1,509	2,014	4,801
Quebec	3,027,247	5,152,456	11,907,122	20,086,825	771,120	3,294,803	150,717	4,216,640
Ontario	515,888	245,767	1,398,409	2,160,064	1,049,507	281,077	1,118,385	2,448,969
Manitoba	194,326	4,073	24,866	223,265	158,234	-	28,878	187,112
Saskatchewan	41,940	10,264	162,905	215,109	107,890	-	-	107,890
Alberta	96,645	201,793	1,864,782	2,163,220	355,548	-	4,559	360,107
British Columbia	716,800	652,535	5,741,170	7,110,505	82,803	7,251	223	90,277
Yukon & N.W.T.	2,851	1,365	22,799	27,015	-	-	-	-
Total	5,318,588	6,461,976	22,714,649	34,495,213	2,617,428	3,586,030	1,307,939	7,511,397
Total-Commercial Stns.	5,318,588	6,461,976	22,714,649	34,495,213				
" -Municipal "	2,617,428	3,586,030	1,307,939	7,511,397				
Total	7,936,016	10,048,006	24,022,588	42,006,610				

TABLE 6 (Pages 24-25) - EMPLOYEES

There was an increase of 1,355 employees during the year with all provinces, excepting the Maritime Provinces, reporting heavier employment. The total at 34,228 included 11,734 in commercial and 22,494 employees in municipal stations. Some 26,620 were engaged in generating stations and 7,608 in non-generating or distributive organizations. Employment totals are based on the average number of employees per month. The decline in New Brunswick was mostly in the salaried group of Municipal Stations and due in part to an overstatement in the Commission's report for 1950.

On a provincial basis, 41.4 p.c. of the national total were employed in Ontario, 24.5 p.c. in Quebec, 8.4 p.c. in British Columbia, 0.2 p.c. in Yukon-N.W.T., 15.6 p.c. on the Prairies and 9.9 p.c. in the Atlantic Provinces. Some 12,454 employees were on salaries while 21,774 were on wages. Among the generating stations, hydraulic operations required 23,041 employees, while fuel stations producing but 3.5 p.c. of the electric energy generated during 1951 employed 3,579 persons, indicating one reason for higher unit costs in thermal plants.

TABLE 7 (Pages 26-27) - CUSTOMERS

As outlined under Table 4, stations report a segregation of customers into seven classes, but in the past many stations included farm customers with domestic customers, and in the Bureau's reports all customers in these two classes consequently were combined under "Domestic Customers". On Page 11 is a table giving the farm customers as reported, together with the respective consumptions and revenues received from them. Such revenues do not include taxes paid by the consumer, as previously explained. Due to the increasing activity and interest in rural electrification, it is probable that current data are more comprehensive than

previously reported. Farm customers added during 1951 totalled 32,618 and the total at 336,345 was up 10.7 p.c. over 1950. Farm and residential services are combined under "Domestic" in tables 2, 4, 7 and 12 as in previous years for comparative purposes. The relatively large number of farm customers and the low average revenue per kilowatt hour in Ontario reflects the assistance given by the Ontario Government to this class of service. The number of farm customers in Ontario for years previous to 1944 included rural customers in hamlets. With over 623,000 occupied farms in Canada (on the 1951 Census basis) the total of 336,345 farm customers indicates that 54 p.c. enjoyed the benefits of power line service at the end of 1951 compared with about four-fifths of the farms in the United States. However, many other Canadian farms generate their own electricity by the use of engines, windmills, etc. The continued extension of farm electrification, represents a great potential market for electrical appliances and equipment, as well as power. Between 1941 and 1951 the number of gasoline engines used for power purposes on Canadian farms increased 9 per cent from 168,225 to 183,041. At the same time the number of electric motors rose 238 per cent from 58,192 to 196,681. Electricity is the cheapest and most versatile and efficient help the farmer can hire.

FARM SERVICE, 1951

Province	Number of Customers	Kilowatt Hours Consumed	Revenue	Kw. Hrs. per Customer	Average(1) Annual Bill	Revenue(1) per Kw. Hr.	P.C. of Total Farm Service Consumption
		(000)	\$		\$	\$	%
Prince Edward Island ...	3,956	3,292	190,181	832	48.07	5.8	0.47
Nova Scotia	21,433	18,397	759,475	858	35.43	4.1	2.62
New Brunswick	x 34,085	28,083	1,659,719	824	48.69	5.9	4.01
Quebec	90,492	93,772	3,105,925	1,036	34.32	3.3	13.37
Ontario	127,595	422,296	8,351,550	3,310	65.45	2.0	60.23
Manitoba	23,777	58,841	1,684,036	2,475	70.83	2.9	8.39
Saskatchewan	5,594	7,084	478,404	1,266	85.52	6.8	1.01
Alberta	11,415	28,088	822,999	2,461	72.10	2.9	4.01
British Columbia	17,998	41,278	931,110	2,293	51.73	2.3	5.89
Canada	336,345	701,131	17,983,399	2,085	53.47	2.6	100.00

- (1) Federal, Provincial and Municipal taxes on the electricity purchased are not included.
 x Revised basis, not comparable with years previous to 1948.

Note: No farm service reported separately in Yukon - N.W.T. or Newfoundland.

TABLE 8 - POLE LINE MILEAGE - (Pages 28-29)

Transmission and distribution lines are combined in this table and a division has been made showing the mileage on steel towers and poles, wooden poles, concrete poles and in submarine and underground cables. The last includes systems in cities and lines laid in trenches along the roadside serving rural customers. The steel towers and steel poles are used almost exclusively for high voltage transmission lines and only Quebec, Ontario and Manitoba had extensive mileages.

TABLES 9 - 10 - 11 - 14 - EQUIPMENT - (Pages 28-33, 38-39)

The equipment of the power houses has been divided into two classes: main plant, and auxiliary, or

standby equipment. The auxiliary plant equipment includes all steam engines and turbines and internal combustion engines and dynamos driven by them in hydro-electric stations and all the equipment in non-generating stations. All other equipment is classed as main plant equipment and includes water wheels and turbines and generators driven by them in hydro-electric stations and all equipment in plants using thermal equipment only. It is quite possible that some of the fuel stations have equipment held as standby equipment for use in emergencies only or for occasional peaks and also that some hydraulic stations have hydraulic equipment similarly held, but it is all classified as main plant equipment. Although a few of the hydro-electric stations use their steam equipment during periods of low water and during periods of heavy demand, the greater part of it is held strictly in reserve for emergencies, only 214,156,000 kilowatt hours being generated during the year by this auxiliary equipment. As mentioned on page 1, equipment which is not used primarily for the central electric station industry has been omitted from the current compilation.

TABLE 12 - ELECTRIC ENERGY GENERATED - (Pages 34-35)

The electric energy generated is the output at the power plants less power used for the operation of the plants, and consequently includes all transformer and line losses entailed in delivering power to the ultimate consumers. The Kv.A. capacities shown were the rated dynamo capacities at the close of the year of both main and auxiliary plants of generating stations. The ratios indicate the relative position of the supply to the demand on a kilowatt hour basis. This ratio is affected by other factors; One is the relationship of installed capacity to water available for hydraulic plants. This changes from month to month and from year to year, while another factor is the production and sale of secondary power. A market for secondary power makes possible a greater production of kilowatt hours per unit of capacity than a market of firm power only for the same installation. A few stations have found a market for their off-peak and surplus power by selling it for use in electric boilers and this class of sale grew quite rapidly, especially up to 1937. After the outbreak of the war the supply of surplus power was greatly reduced and, with war industries working twenty-four hours per day, the supply of off-peak power was also sharply curtailed so that sales of secondary power showed a steady increase up to the middle of 1943. However, they then began to increase and continued the upward trend throughout 1944, 1945 and 1946. Subsequent to August, 1946, declining amounts of secondary power were available and production, as reported monthly, dropped from 9,141,804,000 in 1946 to 6,233,861,000 kilowatt hours in 1947, and to a low of 2,610,308,000 in 1948, but recovered to \$3,894,178,000 in 1951 and to 4,597,636,000 in 1952 as supply conditions improved with the addition of new plants and heavier snow and rainfall.

TABLE 13 - FUEL - (Pages 36-37)

Fuel used was principally domestic or local coal, oil and manufactured gas with stations in the Maritimes, Saskatchewan and Alberta, the largest users. The value of Canadian bituminous and sub-bituminous coal was 46.92 p.c. of the total fuel bill; fuel oil and diesel oil accounted for 31.25 p.c., and lignite coal, gasoline, gas, etc., the remainder. Fuel consumed was valued at \$11,000,401 compared with \$10,486,268 in 1950. All coal consumed cost an average of \$5.99 per ton as against \$5.54 one year earlier, while fuel and diesel oil rose from 8.74 cents to 9.39 cents a gallon. The consumption of natural gas in Alberta advanced from 5,285,631,000 cu. ft. in 1950 to 6,339,040,000 cu. ft. in 1951, an increase of 20 per cent. Coal costs per ton increased 101 p.c. since 1939 and oil about 37 p.c. per gallon. The use of gasoline continued to decline, there being only about half as much reported in 1951 as in 1950.

DOMESTIC SERVICE

In the following table, data on domestic customers are brought together and analysed. As might be

expected the areas with relatively high percentages of rural populations, Newfoundland, Prince Edward Island, Saskatchewan, Alberta and the Yukon - N.W.T. show the lowest number of customers per 100 population. The average cost per kilowatt hour is greatly affected by the nature of the use. Manitoba's low unit cost and high average consumption are influenced by flat rate water heaters and extensive use for cooking in Winnipeg; these induce high consumption per customer. There were also a large number of flat rate water heaters in Ontario. Further, where hydro-electric power is plentiful, the rates are generally low and the average consumption high. The very low percentage of total power used by domestic customers in Quebec is affected by large exports to Ontario and heavy consumption by pulp and paper, aluminium and other electric metallurgical plants. In the Yukon and Northwest Territories, the percentage used by domestic service is low, due to the large mining and smelting consumption relative to population.

During 1951 domestic customers in Ontario consumed 53.7 per cent of the total power used by all domestic customers in Canada, whereas the population of this province was less than a third of the total for the nation.

The average bills do not include federal, provincial and municipal sales taxes paid by the consumers.

(1)
DOMESTIC SERVICE
1 9 5 1

Province	Number of Customers		Average Bill for Year	Average per Kilowatt Hour	Average Annual Consumption		Consumption by Domestic Service	
	Total	Per 100 Population			Per Customer	Per Capita	P.C. of (2) total Power used in Province	P.C. of total Domestic Power used in Canada
			\$	¢	Kw. Hrs.	Kw. Hrs.		
Newfoundland	34,457	9.53	33.74	2.41	1,401	134	29.15	0.62
P. E. Island	10,624	10.80	55.20	5.11	1,080	117	39.69	0.15
Nova Scotia	128,322	19.97	40.98	3.12	1,312	262	14.70	2.18
New Brunswick	101,151	19.61	46.35	4.23	1,095	215	12.32	1.43
Quebec	820,705	20.24	33.41	1.91	1,748	354	4.01	18.56
Ontario	1,162,711	25.29	44.64	1.25	3,568	902	14.55	53.70
Manitoba	157,795	20.32	56.81	1.18	4,813	978	23.98	9.83
Saskatchewan	99,260	11.93	56.71	3.70	1,531	183	14.83	1.97
Alberta	143,962	15.32	43.80	3.16	1,384	212	16.15	2.58
British Columbia	291,165	24.99	53.48	2.25	2,373	593	26.68	8.94
Yukon & N.W.T.	1,836	7.31	94.01	6.45	1,458	107	3.76	0.04
Canada	2,951,988	21.07	43.25	1.65	2,617	551	10.36	100.00

(1) Includes Farm Customers.

(2) Including line and transformer losses.

TABLE 1 - COMPARATIVE SUMMARY, 1939 - 1951

PRINCIPAL DATA BY CLASS OF STATION	1951	1950	1949	1948	1947
ELECTRIC POWER PLANTS (Generating)					
Total	647	665	650	635	607
Hydraulic	357	348	341	309	310
Fuel	290	317	309	326	297
Commercial	377	395	391	393	377
Municipal	270	270	259	242	230
REVENUE (1)					
Total	\$ 374,643,376	\$ 323,833,465	\$ 280,311,624	\$ 257,377,490	(4) 243,705,976
Commercial	\$ 160,149,599	\$ 141,771,226	\$ 129,481,120	\$ 119,032,951	\$ 114,639,557
Municipal	\$ 214,493,777	\$ 182,062,239	\$ 150,830,504	\$ 138,344,539	\$ 129,066,419
Generating	\$ 328,844,448	\$ 283,445,853	\$ 246,086,487	\$ 224,983,155	\$ 213,904,209
Non-generating	\$ 45,798,928	\$ 40,387,612	\$ 34,225,137	\$ 32,394,335	\$ 29,801,767
EXPENSES (2)					
Total	\$ 264,006,022	(4) 232,649,661	\$ 205,130,467	\$ 180,210,931	(4) 177,359,696
Commercial	\$ 98,694,997	\$ 83,730,453	\$ 79,560,846	\$ 70,316,885	\$ 67,279,703
Municipal	\$ 165,311,025	\$ 148,869,208	\$ 125,569,621	\$ 109,894,046	\$ 110,079,993
Generating	\$ 178,003,351	\$ 154,136,267	\$ 136,881,078	\$ 120,889,466	\$ 122,714,865
Non-generating	\$ 86,002,671	\$ 78,513,394	\$ 68,249,389	\$ 59,321,465	\$ 54,644,831
POLE LINE MILEAGE					
Total	170,582	151,726	135,329	(4) 113,411	98,530
Commercial	59,885	54,745	49,086	41,251	35,891
Municipal	110,697	96,981	86,243	72,160	62,639
Generating	131,375	117,299	106,396	90,810	79,761
Non-generating	39,207	34,427	28,933	22,601	18,769
CUSTOMERS					
Total	3,439,750	3,269,824	3,076,369	2,822,027	2,643,327
Domestic service (3)	2,951,988	2,797,378	2,619,831	2,398,847	2,246,253
Commercial light	405,332	392,530	379,526	349,673	326,988
Power (small)	61,322	60,700	58,600	56,210	53,604
Power (large)	16,360	14,708	14,208	13,305	12,825
Power (municipal)	1,091	1,013	964	890	838
Street lighting	3,657	3,495	3,240	3,102	2,819
Commercial stations	1,124,441	1,068,867	1,042,951	937,385	870,408
Municipal stations	2,315,309	2,200,957	2,033,418	1,884,642	1,772,919
Generating stations	2,216,173	2,089,726	1,934,639	1,741,055	1,616,520
Non-generating stations	1,223,577	1,180,098	1,141,730	1,080,972	1,026,807
ELECTRIC ENERGY GENERATED					
Total kilowatt Hours (thousands)	54,851,844	48,493,718	44,418,573	42,389,681	43,424,799
Commercial	30,471,042	28,432,404	26,731,889	25,697,293	27,665,524
Municipal	24,380,802	20,061,314	17,686,684	16,692,388	15,759,275
Generated by water	52,955,002	46,624,218	42,779,199	41,070,095	42,273,167
Generated by fuel	1,896,842	1,869,500	1,639,374	1,319,586	1,151,632
Exports to the United States (Thousands) . Kw. h.	2,375,522	1,925,867	1,756,752	1,743,108	2,066,487
Imports from the United States .. (Thousands) . Kw. h.	8,956	2,591	31,205	86,391	53,037
EQUIPMENT IN GENERATING STATIONS (Main Plant only)					
Total Primary Power	H.P. 12,781,610	11,703,161	10,637,798	10,038,541	9,601,157
In commercial stations	H.P. 7,132,972	6,716,066	6,429,303	6,045,218	5,936,125
In municipal stations	H.P. 5,648,638	4,987,095	4,208,495	3,993,323	3,665,032
Total Secondary Power	Kv. A. 10,564,161	9,725,393	8,890,292	8,379,039	7,984,488
In commercial stations	Kv. A. 5,924,456	5,600,662	5,404,088	5,064,811	4,950,862
In municipal stations	Kv. A. 4,639,705	4,124,731	3,486,204	3,314,228	3,033,626
AUXILIARY PLANT EQUIPMENT					
Primary power	H.P. 248,982	273,080	245,478	181,055	184,930
Secondary power	Kv. A. 215,920	234,824	213,410	135,470	154,199

Notes: Data on Capital not collected after 1943, when the total was \$1,778,224,640.

(1) Cost of power interchanged between stations excluded from revenue of purchasing stations (see page 8).

(2) Includes wages, cost of power, fuel and taxes, but not other expenses.

(3) Farm service is included with domestic service.

(4) Revised.

TABLEAU 1 - SOMMAIRE COMPARATIF, 1939 - 1951

1946	1945	1943	1941	1939	DONNEES PRINCIPALES PAR CLASSES D'USINES
600 305 295 397 203	600 302 298 392 208	622 322 300 425 197	607 313 294 424 183	611 313 298 427 184	USINES ELECTRIQUES (Génératrices) Total Hydrauliques A combustible Commerciales Municipales
226,096,273 108,668,772 117,427,501 192,214,412 33,881,861	215,105,473 101,672,511 113,432,962 183,227,685 31,877,788	204,801,508 124,730,993 80,070,515 175,217,757 29,583,751	186,018,040 111,851,778 74,166,262 157,283,409 28,734,631	151,880,969 92,535,049 59,345,920 127,483,222 24,397,747	RECETTES (1) Total Commerciales Municipales Génératrices Non-génératrices
156,708,176 67,664,274 89,043,902 100,708,844 55,999,332	135,104,091 60,893,580 74,210,511 83,336,610 51,767,481	135,555,469 72,579,621 62,975,848 81,500,674 54,054,795	117,758,977 60,561,621 57,197,356 69,148,513 48,610,464	91,982,372 42,471,534 49,510,838 51,570,137 40,412,235	DEPENSES (2) Total Commerciales Municipales Génératrices Non-génératrices
89,231 33,184 56,047 71,936 17,295	83,178 31,117 52,061 66,694 16,484	78,063 32,085 45,978 61,710 16,353	77,253 31,442 45,811 61,495 15,758	72,132 30,288 41,844 57,084 15,048	LIGNES SUR POTEAUX Total Commerciales Municipales Génératrices Non-génératrices
2,476,830 2,104,549 306,592 50,254	2,333,230 1,987,360 285,402 46,955	2,164,861 1,848,080 259,640 44,948	2,081,270 1,755,917 268,977 44,071	1,941,663 1,623,672 262,590 43,896	ABONNES Total Service domestique (3) Eclairage commercial Force motrice (petite)
11,846 887 2,702	10,955 - 2,558	9,772 - 2,421	9,934 - 2,371	9,267 - 2,238	Force motrice (grosse) Energie (municipale) Eclairage des rues
826,091 1,650,739 1,354,763 1,122,067	766,554 1,566,676 1,256,095 1,077,135	1,005,316 1,159,545 1,129,272 1,035,589	954,906 1,126,364 1,079,233 1,002,037	889,418 1,052,245 998,067 943,596	Usines commerciales Usines municipales Usines génératrices Usines non-génératrices
41,736,987 26,997,716 14,739,271 40,692,395 1,044,592	40,130,054 25,530,857 14,599,197 39,131,020 999,034	40,479,593 31,082,239 9,397,354 39,660,312 819,281	33,317,663 24,793,715 8,523,948 32,628,930 688,733	28,338,030 21,290,930 7,047,100 27,829,017 509,013	ENERGIE ELECTRIQUE GENEREE Total Kw. heures générés (milliers) Commerciale Municipale Produit par l'eau Produit par le combustible
2,481,631 9,527	2,646,435 15,916	2,545,038 599	2,354,229 670	1,908,756 666	Exportations d'électricité aux Etats-Unis (milliers) Kw. h. Importations d'électricité des Etats-Unis (milliers) Kw. h.
9,825,459 6,301,996 3,523,463 8,162,896 5,233,480 2,929,416	9,666,947 6,294,121 3,372,826 8,035,767 5,227,037 2,808,730	9,602,794 7,239,936 2,362,858 7,982,027 6,074,895 1,907,132	8,157,585 5,917,160 2,240,425 6,851,785 5,054,727 1,797,058	7,607,122 5,385,632 2,221,490 6,435,416 4,654,745 1,780,671	MACHINERIE DANS LES USINES GENERATRICES (Usines principales seulement) Total force motrice primaire H.P. Dans les usines commerciales H.P. Dans les usines municipales H.P. Total force motrice secondaire Kv. A. Dans les usines commerciales Kv. A. Dans les usines municipales Kv. A.
176,253 149,462	173,312 146,556	194,822 166,010	194,651 166,021	194,139 165,785	OUTILLAGE D'USINES AUXILIAIRES Force motrice primaire H.P. Force motrice secondaire Kv. A.

Remarque: Les données sur le capital n'ont pas été recueillies à partir de 1943, alors que le total était de \$1,778,224,640.
 (1) Le coût de l'énergie échangée entre stations est exclu du revenu des stations en faisant l'achat (voir p. 8).
 (2) Incluent gages, coût de l'énergie, combustible et taxes, mais non les autres dépenses.
 (3) L'éclairage des fermes est inclus dans l'éclairage domestique.
 (4) Révisé.

TABLE 2 - DOMESTIC SERVICE, 1939 - 1951

Year	Number of Customers	Kilowatt Hours Consumed	Revenue	Kw. Hours per Customer	Average Annual Bill	Revenue per Kilowatt Hr.	
Année	Nombre d'usagers	Kilowatt heures consommés	Recettes	Consommation moyenne annuelle par usager	Compte Moyen de l'année	Moyenne par kilowatt heure	
		(000)	\$	kw.hrs.	\$	\$	
CANADA	1939	1,623,672	2,310,891	43,793,482	1,423	26.97	1.90
	1945	1,987,360	3,365,497	55,735,696	1,693	28.05	1.66
	1946	2,104,549	3,881,677	62,820,120	1,844	29.85	1.62
	1947	2,246,253	4,383,222	70,258,591	1,951	31.28	1.60
	1948	2,398,847	4,984,280	79,920,367	2,078	33.32	1.60
	1949	2,619,831	5,678,847	90,302,748	2,168	34.47	1.59
	1950	2,797,378	6,750,303	109,015,402	2,413	38.97	1.61
	1951	2,951,988	7,726,114	127,660,008	2,617	43.25	1.65
Change (Changement) 1939 -	1951						
Amount (Volume)		1,328,316	5,415,223	83,866,526	1,194	16.28	- 0.25
Per cent (p.c.)		81.81	234.33	191.50	83.91	60.36	-13.16
NEWFOUNDLAND							
	1949	28,725	31,906	759,347	1,111	26.44	2.38
	1950	30,311	40,061	835,530	1,321	27.57	2.09
	1951	34,457	48,258	1,162,483	1,401	33.74	2.41
PRINCE EDWARD ISLAND	1939	5,067	2,908	163,226	574	32.21	5.61
	1945	6,387	5,217	238,538	817	37.35	4.57
	1946	6,882	6,017	274,082	874	39.83	4.56
	1947	7,372	6,917	369,805	938	50.16	5.35
	1948	8,075	8,341	454,741	1,033	56.31	5.45
	1949	8,966	9,433	506,897	1,052	56.54	5.37
	1950	10,298	10,526	583,765	1,022	56.69	5.55
	1951	10,624	11,479	586,456	1,080	55.20	5.11
Change (Changement) 1939 -	1951						
Amount (Volume)		5,567	8,571	423,230	606	22.99	- 0.50
Per cent (p.c.)		109.67	294.74	259.29	105.57	71.38	- 8.91
NOVA SCOTIA	1939	62,034	39,084	1,709,507	630	27.56	4.37
	1945	84,011	70,099	2,286,358	834	27.21	3.26
	1946	89,484	82,696	2,660,287	924	29.73	3.22
	1947	96,231	94,135	2,923,631	978	30.38	3.11
	1948	102,837	110,981	3,488,141	1,079	33.92	3.14
	1949	107,516	127,666	3,974,574	1,187	36.97	3.11
	1950	124,860	147,522	4,421,444	1,181	35.41	3.00
	1951	128,322	168,349	5,258,257	1,312	40.98	3.12
Change (Changement) 1939 -	1951						
Amount (Volume)		66,288	129,265	3,548,750	682	13.42	- 1.25
Per cent (p.c.)		106.86	330.74	207.59	108.25	48.69	-28.60
NEW BRUNSWICK	1939	46,485	26,989	1,307,772	581	28.13	4.85
	1945	62,175	45,958	1,883,374	739	30.29	4.10
	1946	67,479	51,377	2,078,400	761	30.77	4.04
	1947	74,854	63,728	2,484,545	851	33.19	3.90
	1948	80,270	67,749	2,806,668	844	34.97	4.14
	1949	87,827	87,846	3,348,391	1,000	38.12	3.81
	1950	96,540	97,752	3,746,973	1,023	39.22	3.83
	1951	101,151	110,734	4,688,817	1,095	46.35	4.23
Change (Changement) 1939 -	1951						
Amount (Volume)		54,666	83,745	3,381,045	514	18.22	- 0.62
Per cent (p.c.)		117.60	310.29	258.53	88.47	64.77	-12.78
QUEBEC	1939	434,825	311,420	9,167,384	716	21.08	2.94
	1945	558,865	507,274	11,925,494	908	21.34	2.35
	1946	590,125	596,693	13,401,463	1,011	22.71	2.25
	1947	631,597	692,335	15,156,347	1,096	24.00	2.19
	1948	681,967	830,445	17,537,147	1,218	26.72	2.11
	1949	741,941	999,216	20,379,739	1,347	27.47	2.04
	1950	778,878	1,199,887	23,820,883	1,541	30.58	1.99
	1951	820,705	1,434,277	27,420,175	1,748	33.41	1.91
Change (Changement) 1939 -	1951						
Amount (Volume)		385,880	1,122,857	18,252,791	1,032	12.33	- 1.03
Per cent (p.c.)		88.74	360.56	199.11	144.13	58.49	-35.03

Note: British Columbia figures included Yukon and Northwest Territories up to and including 1947.

TABLEAU 2 - SERVICE DOMESTIQUE, 1939-1951

	Year	Number of Customers	Kilowatt Hours Consumed	Revenue	Kw. Hours per Customer	Average Annual Bill	Revenue per Kilowatt Hr.
	Année	Nombre d'usagers	Kilowatt heures consommées	Recettes	Consommation moyenne annuelle par usager	Compte Moyen de l'année	Moyenne par kilowatt heure
			(000)	\$	kw.hrs.	\$	¢
ONTARIO	1939	719,871	1,574,325	19,657,658	1,909	27.31	1.43
	1945	839,968	1,963,043	23,699,446	2,337	28.21	1.21
	1946	876,761	2,269,006	26,314,259	2,587	30.01	1.16
	1947	918,770	2,533,594	29,046,165	2,768	31.61	1.15
	1948	969,234	2,799,781	32,421,793	2,889	33.45	1.16
	1949	1,036,705	3,076,688	34,813,383	2,968	33.58	1.13
	1950	1,104,317	3,662,862	44,723,940	3,317	40.50	1.22
	1951	1,162,711	4,148,661	51,900,489	3,568	44.64	1.25
Change (Changement) 1939 -							
Amount (Volume)		442,840	2,774,336	32,242,831	1,659	17.33	- 0.18
Per cent (p.c.)		61.52	201.87	164.02	86.90	63.46	-12.59
MANITOBA	1939	61,091	320,827	3,311,662	3,966	40.84	1.03
	1945	94,673	416,499	4,237,484	4,399	44.76	1.02
	1946	103,204	457,464	4,680,853	4,433	45.36	1.02
	1947	116,570	501,744	5,414,994	4,304	46.45	1.08
	1948	119,574	553,430	5,883,853	4,828	49.21	1.06
	1949	131,284	616,272	6,810,980	4,694	51.88	1.11
	1950	144,122	689,335	7,938,900	4,763	55.08	1.15
	1951	157,795	759,478	8,964,554	4,813	56.81	1.18
Change (Changement) 1939 -							
Amount (Volume)		76,704	438,651	5,652,892	857	15.97	+ 0.15
Per cent (p.c.)		94.59	136.73	170.70	21.66	39.10	+14.56
SASKATCHEWAN	1939	49,980	41,198	2,004,433	824	40.10	4.87
	1945	61,285	58,402	2,565,796	953	41.87	4.39
	1946	67,338	68,530	2,940,165	1,018	43.66	4.29
	1947	73,625	76,152	3,248,282	1,034	44.12	4.27
	1948	80,614	89,871	3,675,447	1,115	45.59	4.09
	1949	87,987	105,522	4,171,599	1,199	47.41	3.95
	1950	94,734	128,221	4,870,802	1,353	51.42	3.80
	1951	99,280	152,010	5,628,742	1,551	56.71	3.70
Change (Changement) 1939 -							
Amount (Volume)		49,280	110,812	3,624,309	707	16.61	- 1.17
Percent (p.c.)		98.60	268.97	180.81	85.80	41.42	-24.02
ALBERTA	1939	68,267	42,210	2,145,093	618	31.42	5.08
	1945	87,005	63,962	2,932,410	735	33.70	4.59
	1946	92,461	75,756	3,166,731	819	34.25	4.18
	1947	100,134	88,368	3,472,789	882	34.68	3.93
	1948	108,717	107,548	3,999,670	989	36.79	3.72
	1949	121,440	130,328	4,614,214	1,073	38.00	3.54
	1950	134,132	164,205	5,384,777	1,224	40.15	3.28
	1951	143,962	199,287	6,305,129	1,384	43.80	3.16
Change (Changement) 1939 -							
Amount (Volume)		75,695	157,077	4,160,036	766	12.38	- 1.92
Per cent (p.c.)		110.88	372.13	193.93	123.95	39.40	-37.80
BRITISH COLUMBIA	1939	156,052	151,930	4,326,747	974	27.73	2.85
	1945	192,991	235,043	5,966,796	1,218	30.92	2.54
	1946	210,817	274,138	7,305,880	1,300	34.66	2.67
	1947	227,100	326,251	8,142,033	1,437	35.85	2.50
	1948	246,025	414,850	9,533,280	1,686	38.75	2.30
	1949	265,835	491,897	10,799,002	1,850	40.62	2.20
	1950	278,417	607,427	12,525,229	2,182	44.99	2.06
	1951	291,165	690,904	15,572,304	2,373	53.48	2.25
Change (Changement) 1939 -							
Amount (Volume)		135,113	538,974	11,245,557	1,399	25.75	- 0.60
Per cent (p.c.)		86.58	364.75	259.91	143.63	92.86	-21.05
YUKON AND NORTHWEST TERRITORIES							
	1948	1,534	1,284	119,647	837	78.00	9.32
	1949	1,605	2,073	124,622	1,292	77.65	6.01
	1950	1,769	2,515	163,159	1,422	92.23	6.49
	1951	1,836	2,677	172,802	1,458	94.01	6.45

Remarque: Les chiffres de la Colombie-Britannique comprennent le Yukon et le territoire du Nord-Ouest jusque 1947 inclus.

TABLE 3 - ELECTRIC POWER PLANTS, 1951

	Canada	New- found- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
TOTAL NUMBER OF GENERATING STATIONS	647	19	7	51	16	99	
Per cent of total for Canada	100.00	2.94	1.08	7.88	2.47	15.30	
COMMERCIAL	377	18	6	21	6	76	
Hydraulic	202	18	3	14	4	69	
Fuel	175	-	3	7	2	7	
MUNICIPAL	270	1	1	30	10	23	
Hydraulic	155	-	-	23	2	22	
Fuel	115	1	1	7	8	1	
With water wheels and turbines	357	18	3	37	6	91	
With steam engines only	14	-	-	-	-	1	
With steam turbines only	33	-	1	7	3	1	
With gas or oil engines only	237	1	3	5	6	6	
With both steam engines and turbines	3	-	-	1	1	-	
With both steam and gas or oil engines	3	-	-	1	-	-	
With alternating current dynamos only	575	19	6	51	15	99	
With direct current dynamos only	65	-	1	-	1	-	
With both alternating and direct current dynamos .	7	-	-	-	-	-	
COMMERCIAL ORGANIZATIONS	x 357	8	4	16	13	81	
Number generating power	227	7	3	11	6	34	
Number buying power for redistribution	130	1	1	5	7	47	
MUNICIPALITIES	x 493	1	1	21	10	36	
Number generating power	84	1	1	6	2	13	
Number buying power for redistribution	409	-	-	15	8	23	
AUXILIARY PLANTS	74	5	2	5	6	10	
To hydraulic stations	62	4	2	2	2	9	
To non-generating stations	12	1	-	3	4	1	

X - Organizations operating in two or more provinces are shown under provinces, but are included in total as only one organization.

TABLE 3 - USINES GENERATRICES, 1951

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.	
141	9	118	93	86	8	NOMBRE D'USINES GENERATRICES
21.79	1.39	18.24	14.38	13.29	1.24	Pourcentage du total pour le Canada
44	3	62	84	51	6	COMMERCIALES
38	2	1	17	33	3	Hydrauliques
6	1	61	67	18	3	A combustible
97	6	56	9	35	2	MUNICIPALES
90	4	-	-	13	1	Hydrauliques
7	2	56	9	22	1	A combustible
128	6	1	17	46	4	Avec roues et turbines hydrauliques
3	1	-	5	4	-	Avec machines à vapeur seulement
3	-	5	7	6	-	Avec turbines à vapeur seulement
7	2	111	64	28	4	Avec moteurs à gaz ou à pétrole seulement
-	-	1	-	-	-	Avec machines et turbines à vapeur à la fois
-	-	-	-	2	-	Avec machines à vapeur à gaz et à pétrole
137	9	75	76	80	8	Avec dynamos à courant alternatif seulement
2	-	43	14	4	-	Avec dynamos à courant direct seulement
2	-	-	3	2	-	Avec dynamos à courant alternatif et direct
55	9	65	60	44	9	USINES COMMERCIALES
27	2	62	44	29	6	Nombre d'usines génératrices
28	7	3	16	15	3	Nombre d'usines achetant de l'électricité pour la revendre ..
349	9	29	16	22	1	MUNICIPALITES
19	4	22	8	9	1	Nombre d'usines génératrices
330	5	7	8	13	-	Nombre d'usines achetant de l'électricité pour la revendre
14	2	-	8	21	1	USINES AUXILIAIRES
13	1	-	8	21	-	Aux usines hydrauliques
1	1	-	-	-	1	Aux usines non-génératrices

X - Les compagnies exploitant des usines dans deux ou plusieurs provinces sont inscrites au chapitre des provinces, mais n'apparaissent qu'une fois dans le total.

TABLE 4 - REVENUE, 1951 ⁶

	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
	\$	\$	\$	\$	\$	\$
REVENUE FROM SALE OF ELECTRIC ENERGY	374,643,376	2,693,412	1,216,437	14,555,900	10,425,979	129,714,113
For domestic service	127,660,008	1,162,483	586,456	5,258,257	4,688,817	27,420,175
For commercial light	64,350,751	499,191	433,135	2,846,253	1,775,950	15,607,975
For power (small)	17,064,924	196,021	29,317	1,792,122	888,153	3,028,517
For power (large)	153,194,798	773,669	122,112	4,302,626	2,728,168	80,823,403
For power (municipal)	5,072,407	2,589	19,863	52,468	86,803	1,164,308
For street lighting	7,300,488	59,459	25,554	304,174	258,088	1,669,735
REVENUE OF COMMERCIAL STATIONS	160,149,599	2,680,888	924,921	10,521,568	2,903,430	83,142,461
Non-generating	4,441,968	6,177	1,775	894,562	935,352	856,723
Generating	155,707,631	2,674,711	923,146	9,627,006	1,968,078	82,285,738
Hydraulic	141,396,362	2,674,711	40,958	2,263,765	1,832,830	81,942,046
Fuel	14,311,269	-	882,188	7,363,241	135,248	343,692
REVENUE OF MUNICIPAL STATIONS	214,493,777	12,524	291,516	4,034,332	7,522,549	46,571,652
Non-generating	41,356,960	-	-	829,367	1,181,453	1,329,093
Generating	173,136,817	12,524	291,516	3,204,965	6,341,096	45,242,559
Hydraulic	151,247,004	-	-	3,013,705	565,111	45,223,091
Fuel	21,889,813	12,524	291,516	191,260	5,775,985	19,468
Revenue of non-generating stations	45,798,928	6,177	1,775	1,723,929	2,116,805	2,185,816
Revenue of generating stations	328,844,448	2,687,235	1,214,662	12,831,971	8,309,174	127,528,297
Hydraulic	292,643,366	2,674,711	40,958	5,277,470	2,397,941	127,165,137
Fuel	36,201,082	12,524	1,173,704	7,554,501	5,911,233	363,160
Average revenue per H.P. of primary power	29.31	37.68	56.29	46.31	54.29	20.42
Average revenue per H.P. in main and auxiliary plants ..	28.75	37.17	55.27	44.92	51.93	20.28
Average revenue per Kv.A. of dynamo capacity.....	35.46	44.82	70.04	53.57	63.18	24.29
Average revenue per Kv.A. in main and auxiliary plants .	34.75	44.17	69.00	53.13	60.60	24.11
Average revenue per domestic service customer	45.25	33.74	55.20	40.98	46.35	33.41
Average revenue per commercial light customer	158.76	140.14	193.97	157.84	143.55	149.51
Average revenue per small power customer	278.28	465.61	488.62	462.24	601.32	222.83
Average revenue per large power customer	9,363.99	6,393.98	9,393.23	13,834.81	15,326.79	30,684.66
Average revenue per kilowatt hour consumed cents	0.68	1.56	3.71	1.64	1.35	0.44
Average revenue per kilowatt hour - domestic and farm service..cents	1.65	2.41	5.11	3.12	4.23	1.91
Average revenue per kilowatt hour - commercial light "	2.04	3.00	4.30	3.70	3.19	1.98

⁶ Gross revenue less cost of power interchanged between stations.⁷ Affected by power purchased from another province.

X Adjusted for power purchased from Québec plants.

TABLEAU 4 - RECETTES, 1951^b

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
\$	\$	\$	\$	\$	\$	
143,951,584	19,377,544	13,575,957	18,078,424	37,030,814	931,179	RECETTES PROVENANT DE LA VENTE D'ELECTRICITE
51,900,489	8,964,554	5,628,742	6,305,129	15,572,304	172,602	Pour éclairage domestique
21,142,500	3,742,972	3,514,703	5,077,088	9,517,747	193,237	Pour éclairage commercial
4,641,439	748,044	1,240,580	2,102,817	2,338,097	59,817	Pour force motrice (petite)
60,075,587	5,340,050	2,619,481	3,932,932	8,892,267	492,470	Pour force motrice (grosse)
3,074,747	196,866	178,214	229,362	64,223	2,964	Pour pouvoir municipal
3,116,822	385,058	394,237	431,096	646,176	10,089	Pour éclairage des rues
10,973,989	9,468,466	2,286,095	10,045,601	30,051,350	550,385	RECETTES DES USINES COMMERCIALES
3,330,508	1,289,941	18,973	161,476	119,369	112,933	Non-génératrices
7,643,481	8,178,525	2,267,122	9,884,125	29,931,981	437,452	Génératrices
7,090,208	8,048,355	851,409	6,786,416	29,681,289	298,109	Hydrauliques
553,273	130,170	1,415,713	3,097,709	250,692	139,343	A combustible
132,977,595	9,909,078	11,289,862	8,032,823	6,979,464	380,794	RECETTES DES USINES MUNICIPALES
40,205,646	4,705,697	1,633,793	2,656,815	1,367,350	-	Non-génératrices
92,771,949	5,203,381	9,656,069	5,376,008	5,612,114	380,794	Génératrices
92,669,498	5,091,099	-	-	5,310,837	329,821	Hydrauliques
102,451	112,282	9,656,069	5,376,008	301,277	50,973	A combustible
43,536,154	5,995,638	1,652,766	2,818,291	1,486,719	112,933	Recettes des usines non-génératrices
100,415,430	13,381,906	11,923,191	15,260,133	35,544,095	818,246	Recettes des usines génératrices
99,759,706	13,139,454	851,409	6,786,416	34,992,126	627,930	Hydrauliques
655,724	242,452	11,071,782	8,473,717	551,969	190,316	A combustible
X 29.53	32.48	37.31	50.74	42.86	81.53	Moyenne de recettes par H.P. de machinerie primaire
X 28.92	31.63	37.31	48.17	40.27	80.40	Moyenne de recettes par H.P. de machinerie principale et auxiliaire
X 37.39	43.46	45.65	60.14	50.39	93.34	Moyenne de recettes par Kw.A. de capacité de dynamos ...
X 36.53	42.05	45.65	56.98	47.53	91.96	Moyenne de recettes par Kw.A. de capacité des dynamos, usines principales et auxiliaires ..
44.64	56.81	56.71	43.80	53.48	94.01	Moyenne de recettes par abonnés d'éclairage domestique..
150.83	161.56	154.59	165.83	206.41	474.78	Moyenne de recettes par abonnés d'éclairage commercial..
270.18	129.49	332.24	234.68	380.92	575.16	Moyenne de recettes par abonnés pour petite force motrice
13,880.88	981.27	5,412.15	2,314.85	7,982.29	13,679.72	Moyenne de recettes par abonnés pour grosse force motrice
0.66	0.64	1.39	1.79	1.35	1.46	Moyenne de recettes par Kw.heure cents
1.25	1.18	3.70	3.18	2.25	6.45	Moyenne de recettes par Kw.heure - service domestique et de ferme cents
1.46	1.89	4.18	3.69	2.82	9.00	Moyenne de recettes par Kw.heure - service commercial "

^b Revenu brut moins le coût de l'énergie échangée entre stations.

^c Affecté par énergie achetée d'une autre province.

X Adjusté pour achats de courant des usines de Québec.

TABLE 5 - EXPENSES, 1951 /

	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
TOTAL EXPENSES	264,006,022	1,483,537	780,884	12,427,643	7,841,793	68,544,668	
Per cent of total for Canada	100.00	0.56	0.30	4.71	2.97	25.96	
Salaries and wages	101,856,252	946,230	330,634	3,799,151	2,926,458	23,334,962	
Fuel	11,000,401	24,995	351,155	2,806,213	1,649,763	179,059	
Taxes (X)	42,006,610	410,065	91,056	1,755,521	352,970	24,303,465	
Cost of power	109,142,759	102,247	8,039	4,066,758	2,912,902	20,727,182	
TOTAL EXPENSES FOR COMMERCIAL STATIONS	98,684,997	1,468,684	617,090	9,281,432	2,262,677	47,564,310	
Salaries and wages	33,233,802	938,896	284,134	2,773,723	492,425	15,488,774	
Fuel	4,899,034	17,716	233,861	2,530,108	19,237	166,955	
Taxes (X)	34,496,213	409,825	91,056	1,660,160	348,169	20,086,825	
Cost of power	26,066,948	102,247	8,039	2,317,441	1,402,846	11,821,756	
Non-generating stations	9,079,611	5,793	1,475	1,343,269	1,830,158	727,953	
Generating stations	89,615,386	1,462,891	615,615	7,938,163	432,519	46,836,357	
Hydraulic stations	78,508,025	1,462,891	20,476	1,077,347	346,662	46,603,497	
Fuel stations	11,107,361	-	595,139	6,860,816	85,857	232,860	
TOTAL EXPENSES FOR MUNICIPAL STATIONS	165,311,025	14,853	163,794	3,146,211	5,579,116	20,980,358	
Salaries and wages	68,622,450	7,334	46,500	1,025,428	2,433,733	7,846,188	
Fuel	6,101,367	7,279	117,294	276,105	1,630,526	12,104	
Taxes (X)	7,511,397	240	-	95,361	4,801	4,216,640	
Cost of power	83,075,811	-	-	1,749,317	1,510,056	8,905,426	
Non-generating stations	76,923,060	-	-	1,716,443	1,674,444	1,248,547	
Generating stations	88,387,965	14,853	163,794	1,429,768	3,904,672	19,731,811	
Hydraulic stations	76,005,008	-	-	842,295	110,854	19,727,856	
Fuel stations	12,382,957	14,853	163,794	587,473	3,793,818	3,955	
TOTAL EXPENSES FOR NON-GENERATING STATIONS ...	86,002,671	5,793	1,475	3,059,712	3,504,602	1,976,500	
Salaries and wages	20,361,988	2,000	124	687,120	575,876	688,543	
Fuel	26,110	-	-	-	5,893	-	
Taxes (X)	1,620,939	-	-	236,064	208,739	4,474	
Cost of power	63,993,634	3,793	1,351	2,136,528	2,714,094	1,283,483	
TOTAL EXPENSES FOR GENERATING STATIONS	178,003,351	1,477,744	779,409	9,367,931	4,337,191	66,568,168	
Salaries and wages	81,494,264	944,230	330,510	3,112,031	2,350,282	22,646,419	
Fuel	10,974,291	24,995	351,155	2,806,213	1,643,870	179,059	
Taxes (X)	40,385,671	410,065	91,056	1,519,457	144,231	24,298,991	
Cost of power	45,149,125	98,454	6,688	1,930,230	198,808	19,443,699	
Hydraulic stations	154,513,033	1,462,891	20,476	1,919,642	457,516	66,331,353	
Fuel stations	23,490,318	14,853	758,933	7,448,289	3,879,675	236,815	

(X) Sales tax not included (see page 9).

/ Includes only the four items listed.

TABLE 5 - DEPENSES, 1951 /

	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
	123,940,284	9,560,361	8,065,777	10,514,426	20,463,273	393,376	TOTAL DES DEPENSES
	46.95	3.62	3.05	3.98	7.75	0.15	Pourcentage du total pour le Canada
	45,900,714	6,103,827	3,722,990	3,929,431	10,676,916	185,239	Salaires et gages
	972,079	83,120	2,503,627	1,396,150	992,595	41,645	Combustible
	4,609,033	410,377	322,999	2,523,327	7,200,782	27,015	Taxes (X)
	72,458,458	2,953,037	1,516,161	2,665,518	1,592,980	139,477	Achat d'énergie électrique
	11,568,828	3,082,448	1,324,737	6,004,149	15,195,531	325,111	TOTAL DES DEPENSES POUR LES USINES COMMERCIALES.....
	1,875,229	1,315,105	622,927	2,436,768	6,877,945	127,876	Salaires et gages
	330,764	28,681	468,530	607,939	464,500	30,743	Combustible
	2,160,064	223,265	215,109	2,163,220	7,110,505	27,015	Taxes (X)
	7,202,771	1,515,397	18,171	796,222	742,581	139,477	Achat d'énergie électrique
	3,203,504	1,577,267	20,830	87,599	158,196	123,567	Usines non-génératrices
	8,365,324	1,505,181	1,303,907	5,916,550	15,037,335	201,544	Usines génératrices
	8,042,296	1,427,926	456,676	4,122,950	14,885,714	61,590	Usines hydrauliques
	323,028	77,255	847,231	1,793,600	151,621	139,954	Usines à combustible
	112,371,456	6,467,913	6,741,040	4,510,277	5,267,742	68,265	TOTAL DES DEPENSES POUR LES USINES MUNICIPALES
	44,025,485	4,788,722	3,100,063	1,492,663	3,798,971	57,363	Salaires et gages
	641,315	54,439	2,035,097	788,211	528,095	10,902	Combustible
	2,448,969	187,112	107,890	360,107	90,277	-	Taxes (X)
	65,255,687	1,437,640	1,497,990	1,869,296	850,399	-	Achat d'énergie électrique
	63,066,030	4,009,398	1,487,786	2,661,218	1,069,194	-	Usines non-génératrices
	49,315,426	2,458,515	5,253,254	1,849,059	4,198,548	68,265	Usines génératrices
	49,267,547	2,409,029	-	-	3,601,354	46,073	Usines hydrauliques
	47,879	49,486	5,253,254	1,849,059	597,194	22,192	Usines à combustible
	66,259,534	5,586,665	1,508,616	2,748,817	1,227,390	123,567	TOTAL DES DEPENSES DES USINES NON-GENERATRICES
	14,651,623	2,586,050	202,123	635,595	307,302	25,632	Salaires et gages
	19,692	-	-	-	-	525	Combustible
	798,860	50,157	107,890	186,038	12,394	16,323	Taxes (X)
	50,789,359	2,950,458	1,198,603	1,927,184	907,694	81,087	Achat d'énergie électrique.....
	57,680,750	3,963,696	6,557,161	7,765,609	19,235,883	269,809	TOTAL DES DEPENSES DES USINES GENERATRICES
	31,249,091	3,517,777	3,520,867	3,293,836	10,369,614	159,607	Salaires et gages
	952,387	83,120	2,503,627	1,396,150	992,595	41,120	Combustible
	3,810,173	360,220	215,109	2,337,289	7,188,388	10,692	Taxes (X)
	21,669,099	2,579	317,558	738,334	685,286	58,390	Achat d'énergie électrique
	57,309,843	3,836,955	456,676	4,122,950	18,487,068	107,663	Usines hydrauliques
	370,907	126,741	6,100,485	3,642,659	748,815	162,146	Usines à combustible

(X) Taxe des ventes non comprises (Voir p. 9)

/ Ne comprend que les quatres items énumérés.

TABLE 6 - EMPLOYEES, 1951

	Canada	New- found- land	Prince Edward Island	Nova Scotia	New Brunsw- wick	Quebec
TOTAL NUMBER OF PERSONS EMPLOYED	34,228	503	154	1,574	1,169	8,397
Per cent of total for Canada	100.00	1.47	0.45	4.60	3.42	24.53
Officers, clerks, other salaried employees, etc.	12,454	75	59	726	250	2,857
Employees on wages	21,774	428	95	848	919	5,540
TOTAL EMPLOYEES IN COMMERCIAL STATIONS	11,734	499	130	1,041	190	5,575
Officers, clerks, other salaried employees, etc.	4,082	75	54	404	46	1,872
Employees on wages	7,652	424	76	637	144	3,703
Non-generating	637	1	1	160	96	207
Generating	11,097	498	129	881	94	5,368
Hydraulic	9,835	498	4	289	77	5,316
Fuel	1,262	-	125	592	17	52
TOTAL EMPLOYEES IN MUNICIPAL STATIONS	22,494	4	24	533	979	2,822
Officers, clerks, other salaried employees, etc.	8,372	-	5	322	204	985
Employees on wages	14,122	4	19	211	775	1,837
Non-generating	6,971	-	-	147	128	156
Generating	15,523	4	24	386	851	2,666
Hydraulic	13,206	-	-	356	34	2,666
Fuel	2,317	4	24	30	817	-
TOTAL EMPLOYEES IN NON-GENERATING STATIONS	7,608	1	1	307	224	363
Officers, clerks, other salaried employees, etc.	2,829	-	-	111	103	95
Employees on wages	4,779	1	1	196	121	268
TOTAL EMPLOYEES IN GENERATING STATIONS	26,620	502	153	1,267	945	8,034
Officers, clerks, other salaried employees, etc.	9,625	75	59	615	147	2,762
Employees on wages	16,995	427	94	652	798	5,272
Hydraulic	23,041	498	4	645	111	7,982
Fuel	3,579	4	149	622	834	52

TABLE 6 - EMPLOYEES, 1951

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
14,172	2,605	1,347	1,379	2,869	59	TOTAL DU PERSONNEL OCCUPE
41.40	7.61	3.94	4.03	8.38	0.17	Pourcentage du total pour le Canada
5,705	815	344	445	1,158	20	Administrateurs, directeurs, commis & tous employés des bureaux
8,467	1,790	1,003	934	1,711	39	Ouvriers et journaliers
597	528	202	827	2,109	36	PERSONNEL DES USINES COMMERCIALES
138	251	74	282	873	13	Administrateurs, directeurs, commis et tous employés des bureaux
459	277	128	545	1,236	23	Ouvriers et journaliers
112	9	6	21	18	6	Non-génératrice
485	519	196	806	2,091	30	Génératrices
477	508	88	502	2,062	14	Hydrauliques
8	11	108	304	29	16	Combustible
13,575	2,077	1,145	552	760	23	PERSONNEL DES USINES MUNICIPALES
5,567	564	270	163	285	7	Administrateurs, directeurs, commis et tous employés des bureaux
8,008	1,513	875	389	475	16	Ouvriers et journaliers
4,997	1,153	76	221	93	-	Non-génératrices
8,578	924	1,069	331	667	23	Génératrices
8,571	912	-	-	648	19	Hydrauliques
7	12	1,069	331	19	4	Combustible
5,109	1,162	82	242	111	6	PERSONNEL DES USINES NON-GENERATRICES
2,031	307	42	96	43	1	Administrateurs, directeurs, commis et tous employés des bureaux
3,078	855	40	146	68	5	Ouvriers et journaliers
9,063	1,443	1,265	1,137	2,758	53	PERSONNEL DES USINES GENERATRICES
3,674	508	302	349	1,115	19	Administrateurs, directeurs, commis et tous employés des bureaux
5,389	935	963	788	1,643	34	Ouvriers et journaliers
9,048	1,420	88	502	2,710	33	Hydrauliques
15	23	1,177	635	48	20	Combustible

TABLE 7 - NUMBER OF CUSTOMERS, 1961

	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
NUMBER OF CUSTOMERS	3,439,750	38,574	12,952	150,658	115,289	942,834	
Per cent of total for Canada	100.00	1.12	0.38	4.38	3.35	27.41	
Domestic service	2,951,988	34,457	10,624	128,322	101,151	820,705	
Commercial light	405,332	3,562	2,233	18,033	12,372	104,392	
Power (small)	61,322	421	60	3,877	1,477	13,591	
Power (large)	16,360	121	13	311	178	2,634	
Power (municipal)	1,091	5	4	15	22	223	
Street lighting	3,657	10	18	100	89	1,289	
COMMERCIAL STATIONS	1,124,441	38,311	10,517	92,161	27,065	507,145	
Domestic service	959,743	34,231	8,484	77,998	23,249	444,957	
Commercial light	135,132	3,529	1,999	11,183	3,339	52,465	
Power (small)	20,263	419	4	2,821	592	6,553	
Power (large)	7,054	121	10	105	58	1,685	
Power (municipal)	386	2	3	4	6	176	
Street lighting	1,863	9	17	50	21	1,229	
Non-generating	108,565	184	38	25,708	22,263	21,907	
Generating	1,015,876	38,127	10,479	66,453	4,802	485,238	
Hydraulic	909,021	38,127	571	20,582	4,680	480,311	
Fuel	106,855	-	9,908	45,871	122	4,927	
MUNICIPAL STATIONS	2,315,309	263	2,435	58,497	88,224	435,689	
Domestic service	1,992,245	226	2,140	50,324	77,902	375,748	
Commercial light	270,200	33	234	6,850	9,033	51,927	
Power (small)	41,059	2	56	1,056	1,085	6,938	
Power (large)	9,306	-	3	205	120	969	
Power (municipal)	705	1	1	11	16	47	
Street lighting	1,794	1	1	50	68	60	
Non-generating	1,115,012	-	-	28,536	28,309	33,275	
Generating	1,200,297	263	2,435	31,661	59,915	402,414	
Hydraulic	980,058	-	-	26,852	2,900	402,235	
Fuel	220,239	263	2,435	4,809	57,015	179	
NON-GENERATING STATIONS	1,223,577	184	38	52,544	50,572	55,182	
Domestic service	1,047,568	183	38	45,349	43,095	48,908	
Commercial light	146,246	-	-	5,782	6,484	5,211	
Power (small)	23,798	-	-	1,206	887	786	
Power (large)	4,357	1	-	157	70	152	
Power (municipal)	603	-	-	12	12	17	
Street lighting	1,005	-	-	38	24	108	
GENERATING STATIONS	2,216,173	38,390	12,914	98,114	64,717	887,652	
Hydraulic stations	1,889,079	38,127	571	47,454	7,680	882,546	
Domestic service	1,639,864	34,048	456	40,921	6,393	767,470	
Commercial light	208,043	3,529	110	5,541	1,085	98,459	
Power (small)	28,058	419	4	842	76	12,768	
Power (large)	10,959	120	-	80	17	2,481	
Power (municipal)	287	2	-	2	1	204	
Street lighting	1,868	9	1	48	8	1,164	
Fuel Stations	327,094	263	12,343	50,680	57,137	5,106	
Domestic service	264,556	226	10,130	42,052	51,663	4,327	
Commercial light	51,043	33	2,123	6,710	4,803	722	
Power (small)	9,466	2	56	1,829	514	37	
Power (large)	1,044	-	13	74	91	1	
Power (municipal)	201	1	4	1	9	2	
Street lighting	784	1	17	14	57	17	
Average number of domestic service customers per 100 of population	21.07	9.53	10.80	19.97	19.61	20.24	

TABLEAU 7 - NOMBRE D'USAGERS, 1951

	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
	1,325,634	194,168	126,752	185,794	344,702	2,393	NOMBRE D'USAGERS
	88,54	5,64	3,69	5,40	10,02	0,07	Pourcentage du total pour le Canada
	1,162,711	157,795	99,260	143,962	291,165	1,836	Service domestique
	140,174	24,697	22,735	30,617	46,110	407	Eclairage commercial
	17,179	5,777	3,734	8,964	6,138	104	Force motrice (petite)
	4,328	5,442	484	1,699	1,114	36	Force motrice (grosse)
	555	8	34	197	25	5	Energie (municipale)
	687	449	505	355	150	5	Eclairage des rues
	39,878	52,968	11,675	78,145	264,295	2,281	NOMBRE D'USAGERS DES USINES COMMERCIALES
	34,909	42,399	9,569	58,391	223,798	1,758	Service domestique
	4,388	7,285	1,720	13,812	35,033	379	Eclairage commercial
	404	546	296	4,237	4,388	103	Force motrice (petite)
	114	2,718	39	1,187	1,004	33	Force motrice (grosse)
	8	1	1	176	5	4	Energie (municipale)
	55	19	50	342	67	4	Eclairage des rues
	18,339	12,228	455	2,840	3,630	993	Non-génératrices
	21,539	40,740	11,240	75,305	280,665	1,288	Génératrices
	20,567	39,341	2	45,728	259,019	93	Hydrauliques
	972	1,399	11,238	29,577	1,646	1,195	Combustible
	1,285,766	141,200	115,077	107,649	80,407	112	NOMBRE D'USAGERS DES USINES MUNICIPALES
	1,127,802	115,396	89,691	85,571	67,367	78	Service domestique
	135,786	17,412	21,016	16,805	11,077	28	Eclairage commercial
	16,775	5,231	3,438	4,727	1,750	1	Force motrice (petite)
	4,214	2,724	445	512	110	3	Force motrice (grosse)
	547	7	33	21	20	1	Energie (municipale)
	632	430	455	13	83	1	Eclairage des rues
	852,575	75,542	23,116	46,634	26,725	-	Non-génératrices
	433,181	65,658	91,961	59,015	53,682	112	Génératrices
	432,144	64,571	-	-	51,353	3	Hydrauliques
	1,037	1,087	91,961	59,015	2,329	109	Combustible
	870,914	87,770	23,551	51,474	30,355	993	NOMBRE D'USAGERS DES USINES NON GENERATRICES.
	749,499	72,916	18,971	41,809	26,127	673	Service domestique
	102,922	11,613	3,476	6,922	3,601	235	Eclairage commercial
	14,357	2,360	1,049	2,548	552	53	Force motrice (petite)
	3,273	446	37	158	35	28	Force motrice (grosse)
	514	4	6	18	18	2	Energie (municipale)
	349	431	12	19	22	2	Eclairage des rues
	454,720	106,398	103,201	134,320	314,347	1,400	NOMBRE D'USAGERS DES USINES GENERATRICES
	452,711	105,912	2	45,728	310,372	96	Usines hydrauliques
	411,463	83,119	-	34,128	261,781	85	Services domestiques
	37,016	12,549	-	7,729	42,024	1	Eclairage commercial
	2,808	3,252	-	2,523	5,366	2	Force motrice (petite)
	1,052	4,979	2	1,148	1,072	3	Force motrice (grosse)
	40	2	-	30	6	-	Energie (municipale)
	334	11	-	170	123	-	Eclairage des rues
	2,009	2,488	103,199	88,592	3,975	1,304	Usines à combustible
	1,749	1,760	80,289	68,025	3,257	1,078	Service domestique
	236	535	19,259	15,966	485	171	Eclairage commercial
	16	165	2,685	3,893	220	49	Force motrice (petite)
	3	17	445	393	7	-	Force motrice (grosse)
	1	2	28	149	1	3	Energie (municipale)
	4	7	493	166	5	3	Eclairage des rues
	25.29	20.32	11.93	15.32	24.99	7.31	Moyenne de consommateurs d'éclairage électrique par 100 habitants

TABLE 8 - POLE LINE MILEAGE, 1951

	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
POLE LINE MILEAGE	170,582	1,855	644	8,303	7,673	32,265
Per cent of total for Canada	100.00	1.09	0.38	4.87	4.50	18.91
Miles of steel towers	8,172	114	-	24	400	1,670
Miles of steel poles	257	12	-	2	-	177
Miles of wooden poles	158,974	1,712	641	8,266	7,289	29,481
Miles of concrete poles	543	10	-	-	-	-
Miles of underground and submarine cable	2,636	7	3	11	4	937
COMMERCIAL STATIONS	59,885	1,849	549	3,909	789	28,195
Non-generating	6,338	9	15	846	301	4,164
Generating	53,547	1,840	534	3,063	488	24,031
Hydraulic	48,551	1,840	27	1,823	446	23,640
Fuel	4,996	-	507	1,240	22	391
MUNICIPAL STATIONS	110,697	6	95	4,394	6,904	4,070
Non-generating	32,869	-	-	822	244	373
Generating	77,828	6	95	3,572	6,660	3,697
Hydraulic	61,243	-	-	3,467	41	3,692
Fuel	16,585	6	95	105	6,619	5
NON-GENERATING STATIONS	39,207	9	15	1,668	645	4,537
GENERATING STATIONS	131,375	1,846	629	6,635	7,128	27,728
Hydraulic	109,794	1,840	27	5,290	487	27,332
Fuel	21,581	6	602	1,345	6,641	396

TABLE 9 - AUXILIARY PLANT EQUIPMENT, 1951

TOTAL PRIMARY POWER	H.P.	248,982	982	400	2,730	8,725	43,772
Per cent of total for Canada		100.00	0.40	0.16	1.10	3.60	17.58
Steam reciprocating engines	No.	13	-	1	3	2	-
Total capacity	H.P.	4,818	-	75	1,190	800	-
Steam turbines	No.	45	-	-	1	3	8
Total capacity	H.P.	203,279	-	-	670	1,925	36,224
Gas and oil engines	No.	91	7	3	5	7	14
Total capacity	H.P.	40,885	982	325	870	6,000	7,548
TOTAL SECONDARY POWER	Kv.A.	215,920	887	262	2,231	7,031	39,202
COMMERCIAL STATIONS							
TOTAL PRIMARY POWER	H.P.	92,930	982	400	2,025	4,765	9,568
Steam reciprocating engines	No.	13	-	1	3	2	-
Total capacity	H.P.	4,818	-	75	1,190	800	-
Steam turbines	No.	23	-	-	1	3	3
Total capacity	H.P.	67,375	-	-	670	1,925	3,500
Gas and oil engines	No.	53	7	3	1	3	10
Total capacity	H.P.	20,737	982	325	166	2,040	5,868
TOTAL SECONDARY POWER	Kv.A.	77,047	887	262	1,638	5,585	7,783
MUNICIPAL STATIONS							
TOTAL PRIMARY POWER	H.P.	156,052	-	-	705	3,960	34,404
Steam reciprocating engines	No.	-	-	-	-	-	-
Total capacity	H.P.	-	-	-	-	-	-
Steam turbines	No.	22	-	-	-	-	5
Total capacity	H.P.	135,904	-	-	-	-	32,724
Gas and oil engines	No.	38	-	-	4	4	4
Total capacity	H.P.	20,148	-	-	705	3,960	1,680
TOTAL SECONDARY POWER	Kv.A.	138,875	-	-	593	3,446	31,419

TABLEAU 8 - LONGUEUR (EN MILLES) DES LIGNES SUR POTEAUX, 1961

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
59,874	24,439	9,574	15,125	10,653	177	LONGUEUR (EN MILLES) DES LIGNES SUR POTEAUX
35.10	14.33	5.61	8.87	6.24	0.10	Pourcentage du total pour tout le Canada
4,670	899	12	35	348	-	Milles de pylones d'acier
65	3	-	-	-	-	Milles de poteaux d'acier
53,378	23,466	9,526	14,959	10,101	175	Milles de poteaux de bois
532	1	-	-	-	-	Milles de poteaux de ciment
1,251	70	36	131	204	2	Milles de câbles souterrains et sous-marins
1,875	1,526	319	13,640	6,980	74	USINES COMMERCIALES.....
389	273	9	81	230	21	Non-génératrices
1,486	1,253	310	13,759	6,750	53	Génératrices
1,466	1,188	12	11,593	6,684	32	Hydrauliques
20	65	298	2,566	66	21	A combustible
57,999	22,913	9,255	1,286	3,673	103	USINES MUNICIPALES
8,310	21,895	232	626	367	-	Non-génératrices
49,689	1,018	9,023	659	3,306	103	Génératrices
49,658	1,010	-	-	3,283	92	Hydrauliques
31	8	9,023	659	23	11	A combustible
8,699	22,168	241	707	597	21	USINES NON-GENERATRICES
51,175	2,271	9,333	14,418	10,056	156	USINES GENERATRICES
51,124	2,198	12	11,393	9,967	124	Hydrauliques
51	73	9,321	3,025	89	32	A combustible

TABLEAU 9 - OUTILLAGE AUXILIAIRE, 1961

101,786	15,980	-	18,963	55,484	160	TOTAL, FORCE MOTRICE PRIMAIRE	H.P.
40.88	6.42	-	7.62	22.28	0.06	Pourcentage du total pour tout le Canada	
-	-	-	7	-	-	Machines à vapeur, à mouvement alternatif	Nomb.
-	-	-	2,753	-	-	Capacité totale	H. P.
13	5	-	4	10	1	Turbines à vapeur	Nomb.
91,220	15,980	-	15,000	42,100	160	Capacité totale	H. P.
13	-	-	7	35	-	Moteurs à gaz et à pétrole	Nomb.
10,566	-	-	1,210	13,584	-	Capacité totale	H. P.
90,412	14,906	-	16,662	44,177	150	TOTAL, FORCE MOTRICE SECONDAIRE	Kv.A.
7,570	-	-	18,963	48,697	160	USINES COMMERCIALES	
-	-	-	7	-	-	TOTAL, FORCE MOTRICE PRIMAIRE	H. P.
-	-	-	2,753	-	-	Machines à vapeur, à mouvement alternatif	Nomb.
1	-	-	4	10	1	Capacité totale	H. P.
4,020	-	-	15,000	42,100	160	Turbines à vapeur	Nomb.
4	-	-	7	18	-	Capacité totale	H. P.
3,550	-	-	1,210	6,597	-	Moteurs à gaz et à pétrole	Nomb.
6,844	-	-	16,662	39,236	150	Capacité totale	H. P.
94,216	15,980	-	-	6,787	-	TOTAL, FORCE MOTRICE SECONDAIRE	Kv.A.
-	-	-	-	-	-	USINES MUNICIPALES	
-	-	-	-	-	-	TOTAL, FORCE MOTRICE PRIMAIRE	H. P.
12	5	-	-	-	-	Machines, à vapeur, à mouvement alternatif	Nomb.
87,200	15,980	-	-	-	-	Capacité totale	H. P.
9	-	-	-	17	-	Turbines à vapeur	Nomb.
7,016	-	-	-	6,787	-	Capacité totale	H. P.
83,568	14,906	-	-	4,941	-	Moteurs à gaz et à pétrole	Nomb.
						TOTAL, FORCE MOTRICE SECONDAIRE	Kv.A.

TABLE 10 - TOTAL EQUIPMENT INCLUDING AUXILIARY PLANT EQUIPMENT, 1951

		Canada	Newfound- land	Prince Edward Island	Nova Sootia	New Brunswick	Quebec
<u>TOTAL PRIMARY POWER</u>		13,030,592	72,461	22,009	324,009	200,781	6,396,773
Per cent of total for Canada	H.P.	100.00	0.55	0.17	2.49	1.54	49.09
Water wheels and turbines	No.	895	30	5	61	12	289
Total capacity	H.P.	11,787,039	71,215	369	136,158	101,600	6,350,481
Steam reciprocating engines	No.	20	-	1	5	4	-
Total capacity	H.P.	9,576	-	75	2,990	2,600	-
Steam turbines	No.	140	-	5	24	13	8
Total capacity	H.P.	1,097,504	-	16,680	179,261	82,195	36,224
Gas and oil engines	No.	502	11	15	21	24	27
Total capacity	H.P.	136,473	1,246	4,885	5,800	14,586	10,068
<u>TOTAL DYNAMO CAPACITY</u>		10,780,081	60,975	17,630	273,970	172,048	5,379,066
Per cent of total for Canada	Kv.A.	100.00	0.57	0.16	2.54	1.60	49.90
Dynamos, A.C.	No.	1,504	42	20	110	52	322
Total capacity	Kv.A.	10,777,523	60,975	17,241	273,670	172,048	5,379,066
Dynamos, D.C.	No.	53	-	4	1	-	-
Total capacity	Kw.	2,758	-	389	300	-	-
<u>COMMERCIAL STATIONS</u>							
<u>TOTAL PRIMARY POWER</u>		7,225,902	72,197	17,819	204,272	95,020	4,915,454
Water wheels and turbines	No.	457	30	5	20	7	202
Total capacity	H.P.	6,831,792	71,215	369	40,178	89,000	4,903,546
Steam reciprocating engines	No.	17	-	1	5	2	-
Total capacity	H.P.	7,026	-	75	2,990	800	-
Steam turbines	No.	63	-	5	18	4	3
Total capacity	H.P.	343,643	-	16,680	168,645	2,925	3,500
Gas and oil engines	No.	236	7	8	8	5	23
Total capacity	H.P.	43,436	932	695	2,459	2,295	8,388
<u>TOTAL DYNAMO CAPACITY</u>		6,001,503	60,826	14,029	172,349	82,735	4,097,465
Dynamos, A.C.	No.	739	38	13	50	17	227
Total capacity	Kv.A.	5,999,192	60,826	13,640	172,049	82,735	4,097,465
Dynamos, D.C.	No.	35	-	4	1	-	-
Total capacity	Kw.	2,311	-	389	300	-	-
<u>MUNICIPAL STATIONS</u>							
<u>TOTAL PRIMARY POWER</u>		5,804,690	264	4,190	119,737	105,761	1,481,359
Water wheels and turbines	No.	438	-	-	41	5	87
Total capacity	H.P.	4,955,247	-	-	95,980	12,600	1,446,935
Steam reciprocating engines	No.	3	-	-	-	2	-
Total capacity	H.P.	2,550	-	-	-	1,800	-
Steam turbines	No.	77	-	-	6	9	5
Total capacity	H.P.	753,858	-	-	20,618	79,270	32,724
Gas and oil engines	No.	268	4	7	13	19	4
Total Capacity	H.P.	93,037	264	4,190	3,141	12,091	1,680
<u>TOTAL DYNAMO CAPACITY</u>		4,778,578	149	3,601	101,621	89,313	1,281,601
Dynamos, A.C.	No.	765	4	7	60	35	95
Total capacity	Kv.A.	4,778,131	149	3,601	101,621	89,313	1,281,601
Dynamos, D.C.	No.	18	-	-	-	-	-
Total capacity	Kw.	447	-	-	-	-	-

* Generating equipment for the Yukon and Northwest Territories is located mainly in the mining and smelting industry.

TABLEAU 10 - OUTILLAGE GLOBAL, Y COMPRIS OUTILLAGE AUXILIAIRE, 1961

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon* and N.W.T.	
3,731,731	612,695	363,871	375,277	919,603	11,582	<u>TOTAL FORCE MOTRICE PRIMAIRE</u> H.P.
28.64	4.70	2.79	2.88	7.06	0.09	Pourcentage du total pour le Canada H.P.
373	37	6	15	64	3	Turbines et roues hydrauliques Nomb.
3,376,240	594,500	106,500	205,900	834,086	9,990	Capacité totale H.P.
-	-	1	9	-	-	Machines à vapeur, à mouvement alternatif Nomb.
-	-	750	3,161	-	-	Capacité totale H.P.
19	5	26	21	18	1	Turbines à vapeur Nomb.
343,470	15,980	219,486	151,800	52,248	160	Capacité totale H.P.
18	7	162	103	101	13	Moteurs à gaz et à pétrole Nomb.
12,021	2,115	37,135	14,416	33,169	1,432	Capacité totale H.P.
3,011,719	460,776	297,383	317,264	779,124	10,126	<u>CAPACITE TOTALE DES DYNAMOS</u> Kv.A.
27.94	4.27	2.76	2.94	7.23	0.09	Pourcentage du total pour le Canada Nomb.
408	49	164	140	180	17	Dynamos, C.A. Nomb.
3,011,604	460,776	296,735	316,028	779,054	10,126	Capacité totale Kv.A.
2	-	34	10	2	-	Dynamos, C.D. Nomb.
115	-	648	1,236	70	-	Capacité totale Kw.
447,943	356,345	136,092	258,551	718,707	3,522	<u>USINES COMMERCIALES</u>
115	11	6	15	44	2	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u> H.P.
393,648	355,500	106,500	205,900	663,486	2,450	Turbines et roues hydrauliques Nomb.
-	-	-	9	-	-	Capacité totale H.P.
-	-	-	3,161	-	-	Machines à vapeur, à mouvement alternatif Nomb.
5	-	3	10	14	1	Capacité totale H.P.
49,770	-	27,998	36,300	47,670	160	Turbines à vapeur Nomb.
7	4	41	94	29	10	Capacité totale H.P.
4,525	845	1,594	13,190	7,551	912	Moteurs à gaz et à pétrole Nomb.
388,674	244,275	111,849	215,710	610,903	2,688	Capacité totale H.P.
127	15	31	122	86	13	<u>CAPACITE TOTALE DES DYNAMOS</u> Kv.A.
388,674	244,275	111,533	214,474	610,833	2,688	Dynamos, C.A. Nomb.
-	-	18	10	2	-	Capacité totale Kv.A.
-	-	316	1,236	70	-	Dynamos, C.D. Nomb.
3,283,788	256,250	227,779	116,726	200,796	8,060	Capacité totale Kw.
258	26	-	-	20	1	<u>USINES MUNICIPALES</u>
2,982,592	239,000	-	-	170,600	7,540	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u> H.P.
-	-	1	-	-	-	Turbines et roues hydrauliques Nomb.
-	-	750	-	-	-	Capacité totale H.P.
14	5	23	11	4	-	Machines à vapeur, à mouvement alternatif Nomb.
293,700	15,980	191,488	115,500	4,578	-	Capacité totale H.P.
11	3	121	9	72	3	Turbines à vapeur Nomb.
7,496	1,270	35,541	1,226	25,618	520	Capacité totale H.P.
2,623,045	216,501	185,534	101,554	168,221	7,438	<u>CAPACITE TOTALE DES DYNAMOS</u> Kv.A.
281	34	183	18	94	4	Dynamos, C.A. Nomb.
2,622,930	216,501	185,202	101,554	168,221	7,438	Capacité totale Kv.A.
2	-	16	-	-	-	Dynamos, C.D. Nomb.
115	-	332	-	-	-	Capacité totale Kw.

* L'outillage générateur du Yukon et des territoires du Nord Ouest paraît en majeure partie dans l'industrie de l'exploitation minière et de l'affinage.

TABLE 11 - MAIN PLANT EQUIPMENT, 1951

	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
TOTAL PRIMARY POWER H.P.						
Per cent of total for Canada	12,781,610	71,479	21,609	321,279	192,056	6,353,001
Water Wheels and turbines No.	100.00	0.56	0.17	2.51	1.50	49.70
Total capacity H.P.	895	30	5	61	12	289
Steam reciprocating engines No.	11,787,039	71,215	369	136,158	101,600	6,350,481
Total capacity H.P.	7	-	-	2	2	-
Steam turbines No.	4,758	-	-	1,800	1,800	-
Total capacity H.P.	95	-	5	23	10	-
Gas and oil engines No.	894,225	-	16,680	178,591	80,270	-
Total capacity H.P.	411	4	12	16	17	13
	95,588	264	4,560	4,730	8,386	2,520
TOTAL DYNAMO CAPACITY Kv.A.						
Per cent of total for Canada	10,564,161	60,088	17,368	271,739	165,017	5,339,864
Dynamos, A.C. No.	100.00	0.57	0.16	2.57	1.56	50.55
Total capacity Kv.A.	1,363	35	19	102	41	301
Dynamos, D.C. No.	10,563,017	60,088	17,193	271,739	165,017	5,339,864
Total capacity Kw.	48	-	2	-	-	-
	1,144	-	175	-	-	-
COMMERCIAL STATIONS						
TOTAL PRIMARY POWER H.P.						
Per cent of total for Canada	7,132,972	71,215	17,419	202,247	90,255	4,906,066
Water Wheels and turbines No.	100.00	1.00	0.24	2.84	1.26	68.78
Total capacity H.P.	457	30	5	20	7	202
Steam reciprocating engines No.	6,831,792	71,215	369	40,178	89,000	4,903,546
Total capacity H.P.	4	-	-	2	-	-
Steam turbines No.	2,208	-	-	1,800	-	-
Total capacity H.P.	40	-	5	17	1	-
Gas and oil engines No.	276,273	-	16,680	157,975	1,000	-
Total capacity H.P.	183	-	5	7	2	13
	22,699	-	370	2,294	255	2,520
TOTAL DYNAMO CAPACITY Kv.A.						
Per cent of total for Canada	5,924,456	59,939	13,767	170,711	79,150	4,089,682
Dynamos, A.C. No.	100.00	1.01	0.23	2.88	1.34	69.03
Total capacity Kv.A.	657	31	12	46	10	215
Dynamos, D.C. No.	5,923,759	59,939	13,592	170,711	79,150	4,089,682
Total capacity Kw.	30	-	2	-	-	-
	697	-	175	-	-	-
MUNICIPAL STATIONS						
TOTAL PRIMARY POWER H.P.						
Per cent of total for Canada	5,648,638	264	4,190	119,032	101,801	1,446,935
Water Wheels and turbines No.	100.00	0.01	0.07	2.11	1.80	25.62
Total capacity H.P.	438	-	-	41	5	87
Steam reciprocating engines No.	4,955,247	-	-	95,980	12,600	1,446,935
Total capacity H.P.	3	-	-	-	2	-
Steam turbines No.	2,550	-	-	-	1,800	-
Total capacity H.P.	55	-	-	6	9	-
Gas and oil engines No.	617,952	-	-	20,616	79,270	-
Total capacity H.P.	228	4	7	9	15	-
	72,889	264	4,190	2,436	8,131	-
TOTAL DYNAMO CAPACITY Kv.A.						
Per cent of total for Canada	4,639,705	149	3,601	101,028	85,867	1,250,182
Dynamos, A.C. No.	100.00	0.01	0.08	2.18	1.85	26.94
Total capacity Kv.A.	706	4	7	56	31	86
Dynamos, D.C. No.	4,639,258	149	3,601	101,028	85,867	1,250,182
Total capacity Kw.	18	-	-	-	-	-
	447	-	-	-	-	-
HYDRAULIC STATIONS						
TOTAL DYNAMO CAPACITY Kv.A.						
Per cent of total for Canada	9,743,642	59,939	313	113,525	88,225	5,337,918
Dynamos, A.C. No.	100.00	0.61	0.01	1.16	0.91	54.78
Total capacity Kv.A.	889	31	2	62	12	286
Dynamos, D.C. No.	9,743,282	59,939	138	113,525	88,225	5,337,918
Total capacity Kw.	6	-	2	-	-	-
	360	-	175	-	-	-
FUEL STATIONS						
TOTAL DYNAMO CAPACITY Kv.A.						
Per cent of total for Canada	820,519	149	17,055	158,214	76,792	1,946
Dynamos, A.C. No.	100.00	0.02	2.08	19.28	9.36	0.24
Total capacity Kv.A.	474	4	17	40	29	13
Dynamos, D.C. No.	819,735	149	17,055	158,214	76,792	1,946
Total capacity Kw.	42	-	-	-	-	-
	784	-	-	-	-	-

* Generating equipment for Yukon and Northwest Territories is located mainly in the mining and smelting industry.

TABLEAU 11 - OUTILLAGE DES USINES PRINCIPALES, 1951

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
3,629,945 28.40 373 3,376,240 - 6 252,260 5 1,455	596,615 4.67 37 594,500 - - - 7 2,115	363,871 2.85 6 106,500 1 750 26 219,486 162 37,135	356,314 2.79 15 205,900 2 408 17 136,800 96 13,206	864,019 6.76 64 834,086 - - 8 10,148 66 19,785	11,422 0.09 3 9,990 - - - 13 1,432	<p>TOTAL, FORCE MOTRICE PRIMAIRE H.P.</p> <p>Pourcentage du total pour le Canada H.P.</p> <p>Roues hydrauliques et turbines Nomb.</p> <p>Capacité totale H.P.</p> <p>Machines à vapeur, à mouvement alternatif Nomb.</p> <p>Capacité totale H.P.</p> <p>Turbines à vapeur Nomb.</p> <p>Capacité totale H.P.</p> <p>Moteurs à gaz et à pétrole Nomb.</p> <p>Capacité totale H.P.</p>
2,921,307 27.65 382 2,921,192 2 115	445,870 4.22 44 445,870 - -	297,383 2.82 164 296,735 34 648	300,602 2.85 124 300,466 8 136	734,947 6.96 135 734,877 2 70	9,976 0.09 16 9,976 - -	<p>CAPACITE DES DYNAMOS Kv.A.</p> <p>Pourcentage du total pour le Canada H.P.</p> <p>Dynamos, C.A. Nomb.</p> <p>Capacité totale Kv.A.</p> <p>Dynamos, C.D. Nomb.</p> <p>Capacité totale Kw.</p>
440,373 6.17 115 393,648 - 4 45,750 3 975	356,345 5.00 11 355,500 - - - 4 845	136,092 1.91 6 106,500 - 3 27,998 41 1,594	239,588 3.36 15 205,900 2 408 6 21,300 87 11,980	670,010 9.39 44 663,486 - - 4 5,570 11 954	3,362 0.05 2 2,450 - - - 10 912	<p>USINES COMMERCIALES</p> <p>TOTAL, FORCE MOTRICE PRIMAIRE H.P.</p> <p>Pourcentage du total pour le Canada H.P.</p> <p>Turbines et roues hydrauliques Nomb.</p> <p>Capacité totale H.P.</p> <p>Machines à vapeur, à mouvement alternatif Nomb.</p> <p>Capacité totale H.P.</p> <p>Turbines à vapeur Nomb.</p> <p>Capacité totale H.P.</p> <p>Moteurs à gaz et à pétrole Nomb.</p> <p>Capacité totale H.P.</p>
381,830 6.45 122 381,830 - -	244,275 4.12 15 244,275 - -	111,849 1.89 31 111,533 18 316	199,048 3.36 108 198,912 8 136	571,667 9.65 57 571,597 2 70	2,538 0.04 12 2,538 - -	<p>CAPACITE DES DYNAMOS Kv.A.</p> <p>Pourcentage du total pour le Canada H.P.</p> <p>Dynamos, C.A. Nomb.</p> <p>Capacité totale Kv.A.</p> <p>Dynamos, C.D. Nomb.</p> <p>Capacité totale Kw.</p>
3,189,572 56.47 258 2,982,592 - 2 206,500 2 480	240,270 4.25 26 239,000 - - - 3 1,270	227,779 4.03 1 - 750 23 191,488 121 35,541	116,726 2.07 - - - 11 115,500 9 1,226	194,009 3.43 20 170,600 - - 4 4,578 55 18,831	8,060 0.14 1 7,540 - - - - 3 520	<p>USINES MUNICIPALES</p> <p>TOTAL, FORCE MOTRICE PRIMAIRE H.P.</p> <p>Pourcentage du total pour le Canada H.P.</p> <p>Turbines et roues hydrauliques Nomb.</p> <p>Capacité totale H.P.</p> <p>Machines à vapeur, à mouvement alternatif Nomb.</p> <p>Capacité totale H.P.</p> <p>Turbines à vapeur Nomb.</p> <p>Capacité totale H.P.</p> <p>Moteurs à gaz et à pétrole Nomb.</p> <p>Capacité totale H.P.</p>
2,539,477 54.73 260 2,539,362 2 115	201,595 4.34 29 201,595 - -	185,534 4.00 133 185,202 16 332	101,554 2.19 18 101,554 - -	163,280 3.52 78 163,280 - -	7,438 0.16 4 7,438 - -	<p>CAPACITE DES DYNAMOS Kv.A.</p> <p>Pourcentage du total pour le Canada H.P.</p> <p>Dynamos, C.A. Nomb.</p> <p>Capacité totale Kv.A.</p> <p>Dynamos, C.D. Nomb.</p> <p>Capacité totale Kw.</p>
2,724,191 27.96 371 2,724,076 2 115	444,000 4.56 37 444,000 - -	90,000 0.92 6 90,000 - -	166,165 1.71 15 166,165 - -	710,548 7.29 62 710,478 2 70	8,818 0.09 3 8,818 - -	<p>USINES HYDRAULIQUES</p> <p>CAPACITE TOTALE DES DYNAMOS Kv.A.</p> <p>Pourcentage du total pour le Canada H.P.</p> <p>Dynamos, C.A. Nomb.</p> <p>Capacité totale Kv.A.</p> <p>Dynamos, C.D. Nomb.</p> <p>Capacité totale Kw.</p>
197,116 24.02 11 197,116 - -	1,870 0.23 7 1,870 - -	207,383 25.28 158 206,735 34 648	134,437 16.38 109 134,301 8 136	24,399 2.97 73 24,399 - -	1,158 0.14 13 1,158 - -	<p>USINES A COMBUSTIBLE</p> <p>CAPACITE TOTAL DES DYNAMOS Kv.A.</p> <p>Pourcentage du total pour le Canada H.P.</p> <p>Dynamos, C.A. Nomb.</p> <p>Capacité totale Kv.A.</p> <p>Dynamos, C.D. Nomb.</p> <p>Capacité totale Kw.</p>

* L'outillage générateur du Yukon et des territoires du Nord-Ouest paraît en majeure partie dans l'industrie de l'exploitation minière et de l'affinage.

TABLE 12 - ELECTRIC ENERGY GENERATED, 1951

	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
ALL STATIONS						
Total Kilowatt hours generated .....(thousands)	54,851,844	172,436	32,768	887,908	756,087	29,690,086
Per cent of total for Canada	100.00	0.31	0.06	1.62	1.38	54.13
Kilowatt hours generated by non-generating stations (thousands)	2,364	341	-	-	495	-
Kilowatt hours generated by generating stations ... (thousands)	54,849,480	172,095	32,768	887,908	755,592	29,690,086
Kv.A. capacity of generating stations.....	10,760,233	60,975	17,630	272,327	167,993	5,368,066
Ratio of output to maximum capacity p.c.	58.18	32.21	21.22	37.21	51.35	63.13
Average kilowatt hours per Kv.A.	5,097	2,822	1,359	3,260	4,498	5,530
GENERATING STATIONS						
COMMERCIAL STATIONS						
TOTAL						
Kilowatt hours generated (thousands)	30,469,232	171,858	24,242	538,035	494,015	22,227,743
Kv.A. capacity	5,994,686	60,826	14,029	170,861	80,400	4,097,465
Ratio of output to maximum capacity p.c.	58.03	32.25	19.73	35.95	70.14	61.93
Average kilowatt hours per Kv.A.	5,083	2,825	1,728	3,149	6,144	5,425
Hydraulic Stations						
Kilowatt hours generated .....(thousands)	29,825,676	171,858	839	153,107	485,600	22,219,737
Kv.A. capacity	5,739,186	60,826	575	32,638	79,400	4,095,519
Ratio of output to maximum capacity p.c.	59.33	32.25	16.66	53.55	69.82	61.93
Average kilowatt hours per Kv.A.	5,197	2,825	1,459	4,691	6,116	5,425
Fuel Stations						
Kilowatt hours generated .....(thousands)	643,556	-	23,403	384,928	8,415	7,976
Kv.A. capacity	255,500	-	13,454	138,223	1,000	1,946
Ratio of output to maximum capacity p.c.	28.76	-	19.85	31.79	-	46.79
Average kilowatt hours per Kv.A.	2,519	-	1,739	2,785	-	4,099
MUNICIPAL STATIONS						
TOTAL						
Kilowatt hours generated .....(thousands)	24,380,248	237	8,526	349,873	261,577	7,462,343
Kv.A. capacity	4,765,547	149	3,601	101,466	87,593	1,271,601
Ratio of output to maximum capacity p.c.	58.40	18.16	27.03	39.36	34.09	66.99
Average kilowatt hours per Kv.A.	5,116	1,591	2,368	3,448	2,986	5,868
Hydraulic Stations						
Kilowatt hours generated .....(thousands)	23,343,482	-	-	342,566	34,969	7,462,125
Kv.A. capacity	4,200,528	-	-	81,475	11,801	1,271,601
Ratio of output to maximum capacity p.c.	63.44	-	-	48.00	33.82	66.99
Average kilowatt hours per Kv.A.	5,557	-	-	4,205	2,963	5,868
Fuel Stations						
Kilowatt hours generated .....(thousands)	1,036,766	237	8,526	7,307	226,608	218
Kv.A. capacity	565,019	149	3,601	19,991	75,792	1,946
Ratio of output to maximum capacity .....p.c.	20.95	18.16	27.03	41.78	34.13	48.07
Average kilowatt hours per Kv.A.	1,835	1,591	2,368	366	2,990	4,211
TOTAL HYDRAULIC STATIONS						
Kilowatt hours generated .....(thousands)	53,169,158	171,858	839	495,673	520,569	29,681,892
Kv.A. capacity	9,939,714	60,826	575	114,113	91,201	5,367,120
Ratio of output to maximum capacity .....p.c.	61.06	32.25	16.66	49.59	65.16	63.13
Average kilowatt hours per Kv.A.....	5,349	2,825	1,459	4,344	5,708	5,530
Kilowatt hours generated by water power (thousands)	52,955,002	170,898	565	495,672	517,908	29,677,046
Kilowatt hours generated by auxiliary plants (thousands)	214,156	960	274	1	2,661	4,846
TOTAL FUEL STATIONS						
Kilowatt hours generated (thousands)	1,680,322	237	31,929	392,235	235,023	8,194
Kv.A. capacity	820,519	149	17,055	158,214	76,792	1,946
Ratio of output to maximum capacity .....p.c.	23.38	18.16	21.37	28.30	34.94	48.07
Average kilowatt hours per Kv.A.	2,048	1,591	1,872	2,479	3,061	4,211
CONSUMPTION OF ELECTRIC ENERGY(Thousands of kilowatt hours)						
Total kilowatt hours generated	54,851,844	172,436	32,768	887,908	756,087	29,690,086
Kilowatt hours imported from the United States	8,956	-	-	-	2	215
Kilowatt hours imported from other provinces	-	-	-	-	15,776	6,538
Kilowatt hours exported to the United States	2,375,522	-	-	-	49,561	2,976
Kilowatt hours exported to other provinces	-	-	-	6,229	-	5,713,787
KILOWATT HOURS FOR CONSUMPTION IN CANADA (thousands)						
Domestic service	52,485,278	172,436	32,768	881,679	722,304	23,980,076
Commercial light	7,726,114	48,258	11,479	168,349	110,734	1,434,277
Small power	3,162,501	16,618	10,083	76,959	55,760	786,458
Large power	1,041,020	6,388	808	78,380	33,170	150,434
Municipal power	33,670,927	76,729	4,917	425,193	455,146	19,464,768
Street lighting	795,233	936	753	4,170	4,224	190,779
Free Service(other than street lighting)	320,722	2,737	521	8,527	7,975	63,428
Losses	71,444	612	134	698	546	52,383
.....	5,707,317	20,168	4,093	119,403	56,759	1,837,549

✓ Excludes exports to other provinces and/or to the United States.

† Equipment installed too late in year to show average.

★ Exports of 644,017,000 kw.hrs. of Quebec power to U.S.A. through Ontario are credited to Ontario (See page 9, for explanation.)

★★ Generating equipment is located mainly in other industries.

TABLEAU 12 - ENERGIE ELECTRIQUE GENEREE, 1961

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
15,985,056 29,14 1,449	2,564,537 4,68 59	978,773 1,78 -	996,945 1,82 -	2,723,454 4,96 -	63,794 0,12 20	<u>TOUTES USINES</u> Total Kilowatt-heure générés .....(milliers) Pourcentage du total pour le Canada Kilowatt-heure générés par les usines non-génératrices (milliers) Kilowatt-heure générés par les usines génératrices ....(milliers) Capacité des usines génératrices en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A.
15,983,607 3,008,876 60,64 5,312	2,564,478 459,620 63,70 5,580	978,773 297,383 37,57 3,291	996,945 317,264 55,87 3,142	2,723,454 779,124 43,28 3,496	63,774 ★ 9,976 - -	<u>USINES GENERATRICES</u> <u>USINES COMMERCIALES</u> <u>TOTAL</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A. <u>Usines Hydrauliques</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A. <u>Usines à combustible</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A.
1,745,620 385,830 51,64 4,524	1,696,857 244,275 79,30 6,947	587,005 111,849 59,91 5,248	634,266 215,710 33,56 2,940	2,316,089 610,903 43,28 3,791	33,502 ★ 2,538 - -	<u>USINES MUNICIPALES</u> <u>TOTAL</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A. <u>Usines Hydrauliques</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A. <u>Usines à combustible</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A.
1,724,455 347,937 56,68 4,956	1,694,673 243,500 79,45 6,960	516,142 90,000 65,47 5,735	532,875 182,827 33,28 2,915	2,293,625 604,146 43,33 3,796	32,735 ★ 1,818 - -	<u>USINES MUNICIPALES</u> <u>TOTAL</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A. <u>Usines Hydrauliques</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A. <u>Usines à combustible</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A.
21,165 37,893 6,38 559	2,184 775 32,17 2,818	70,863 21,849 37,02 3,243	101,391 32,883 35,19 3,083	22,464 6,757 37,96 3,325	767 ★ 720 - -	<u>USINES MUNICIPALES</u> <u>TOTAL</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A. <u>Usines Hydrauliques</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A. <u>Usines à combustible</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A.
14,237,987 2,623,045 61,96 5,428	867,621 215,345 45,99 4,029	391,768 185,534 24,11 2,112	362,679 101,554 40,76 3,571	407,365 168,221 27,65 2,422	30,272 7,438 46,46 4,070	<u>TOUTES USINES HYDRAULIQUES</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A. <u>Usines Hydrauliques</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A. <u>Usines à combustible</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A.
14,236,156 2,463,822 65,96 5,778	865,675 214,250 46,12 4,040	- - - -	- - - -	372,207 150,579 28,22 2,472	29,784 7,000 48,57 4,255	<u>TOUTES USINES A COMBUSTIBLE</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A. <u>CONSUMMATION D'ENERGIE ELECTRIQUE (En Milliers de Kw.H.)</u> Total de kilowatt-heure générés Kilowatt-heure importés des Etats-Unis Kilowatt-heure importés d'autres provinces Kilowatt-heure exportés aux Etats-Unis Kilowatt-heure exportés à d'autres provinces
15,960,611 2,811,769 64,79 5,676 15,845,064 116,547	2,560,348 457,750 63,85 5,593 2,560,322 26	516,142 90,000 65,47 5,735 516,142 -	532,875 182,827 33,28 2,915 501,027 31,848	2,666,832 754,725 40,32 3,532 2,607,839 57,993	62,519 8,818 80,94 7,090 62,519 -	<u>TOUTES USINES A COMBUSTIBLE</u> Kilowatt-heure générés .....(milliers) Capacité en Kv.A. Proportion de la production à la capacité maximum .....p.c. Moyenne de kilowatt-heure par Kv.A. <u>CONSUMMATION D'ENERGIE ELECTRIQUE (En Milliers de Kw.H.)</u> Total de kilowatt-heure générés Kilowatt-heure importés des Etats-Unis Kilowatt-heure importés d'autres provinces Kilowatt-heure exportés aux Etats-Unis Kilowatt-heure exportés à d'autres provinces
22,996 197,116	4,130 1,870 25,22 2,209	462,631 207,383 25,47 2,231	464,070 134,437 39,41 3,452	57,622 24,399 26,96 2,362	1,255 1,158 12,37 1,084	<u>CONSUMMATION D'ENERGIE ELECTRIQUE (En Milliers de Kw.H.)</u> Total de kilowatt-heure générés Kilowatt-heure importés des Etats-Unis Kilowatt-heure importés d'autres provinces Kilowatt-heure exportés aux Etats-Unis Kilowatt-heure exportés à d'autres provinces
15,985,056 - 5,704,240 2,134,731 6,538	2,564,537 664 483,608 6 764	978,773 99 764 - 483,608	996,945 299 10,932 - 3,550	2,723,454 7,677 3,550 188,248 10,932	63,794 - - - -	<u>KILOWATT-HEURE CONSOMMES AU CANADA</u> .....(milliers) Service domestique Eclairage commercial Petite force motrice Grosse force motrice Energie (municipale) Eclairage des rues Service gratuit (autre que l'éclairage des rues) Pertes
19,548,027 4,148,661 1,446,862 297,349 10,276,500 419,087 149,186 8,811 2,808,071	5,048,039 759,478 198,226 81,340 1,535,834 129,769 28,006 576 316,811	496,028 162,010 84,000 41,000 104,272 14,807 11,058 333 89,048	1,004,626 199,287 137,446 70,244 441,050 21,903 16,107 5,585 113,024	2,535,501 690,904 337,972 280,930 843,002 4,356 32,930 1,738 343,689	63,794 2,677 2,147 977 47,536 5,969 248 528 3,712	<u>EXCLUS LES EXPORTATIONS PAR D'AUTRES PROVINCES ET/OU AUX ETATS-UNIS.</u> L'exportation de 644,017,000 kWh d'énergie de Québec aux E.U. en passant par l'Ontario est attribuée à l'Ontario. (Voir explication, page 9) L'équipement générateur est situé principalement dans d'autres industries.

Exclus les exportations par d'autres provinces et/ou aux Etats-Unis.] Installé trop tard dans l'année pour donner une moyenne.
L'exportation de 644,017,000 kWh d'énergie de Québec aux E.U. en passant par l'Ontario est attribuée à l'Ontario. (Voir explication, page 9)
L'équipement générateur est situé principalement dans d'autres industries.

TABLE 13 - FUEL, 1951

	Bituminous Coal - Charbon Bitumineux			
	Canadian - Canadien		Imported - Importé	
	Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur
	Tons Tonnes	\$	Tons Tonnes	\$
Canada	X 754,334	5,161,830	96,060	844,993
Newfoundland	-	-	-	-
Prince Edward Island	1,059	11,032	-	-
Nova Scotia	289,788	2,458,187	-	-
New Brunswick	182,938	1,549,191	-	-
Quebec	1,489	18,070	149	1,815
Ontario	-	-	95,911	843,178
Manitoba	-	-	-	-
Saskatchewan	X 141,646	657,883	-	-
Alberta	X 86,386	172,977	-	-
British Columbia	X 51,028	294,490	-	-
Yukon and N.W.T.	-	-	-	-

	Fuel Oil and Diesel Oil		Manufactured Gas	
	Mazout et huile diesel		Gaz fabrique	
	Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur
	Gal. Gal.	\$	1,000 cu.ft. 1,000 pds.cu.	\$
Canada	36,618,984	3,437,987	10,227,932	239,750
Newfoundland	123,704	24,880	-	-
Prince Edward Island	3,135,793	339,442	-	-
Nova Scotia	613,646	112,703	10,222,940	235,131
New Brunswick	517,349	100,572	-	-
Quebec	773,575	158,553	-	-
Ontario	631,037	119,209	4,992	4,619
Manitoba	304,267	54,613	-	-
Saskatchewan	25,648,355	1,626,846	-	-
Alberta	1,338,315	236,586	-	-
British Columbia	3,385,270	622,938	-	-
Yukon and N.W.T.	147,673	41,645	-	-

Note : Tons = 2,000 lbs.
Gallons = Imperial.

X - Includes sub-bituminous coal.

TABLEAU 13 - COMBUSTIBLE, 1951

Lignite Coal - Charbon Lignite		Gasoline	
Canadian - Canadien		Quantity Quantité	Value Valeur
Quantity Quantité	Value Valeur		
Tons Tonnes	\$	Gal. Gal.	\$
222,357	418,143	6,702	2,146
-	-	281	115
-	-	2,551	681
-	-	-	-
-	-	-	-
-	-	1,343	621
993	4,975	275	98
-	-	-	-
123,938	202,822	808	251
97,426	210,346	1,182	312
-	-	262	68
-	-	-	-
Natural Gas - Gaz Naturel		Other Fuel - Autre Combustible	Total
Quantity Quantité	Value Valeur	Value Valeur	Value Valeur
1,000 cu.ft. 1,000 pds.cu.	\$	\$	\$
6,514,177	815,217	80,335	11,000,401
-	-	-	24,995
-	-	-	351,155
-	-	192	2,806,213
-	-	-	1,649,763
-	-	-	179,059
-	-	-	972,079
-	-	28,507	83,120
119,790	14,174	1,651	2,503,627
6,339,040	775,929	-	1,396,150
55,347	25,114	49,985	992,595
-	-	-	41,645

Note: Tonne = 2,000 livres
Gallon = Imperial.

X - Y compris la houille maigre.



CANADA

Electric power statistics

CENTRAL ELECTRIC STATIONS

CENTRALES ÉLECTRIQUES

1952

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Public Finance and Transportation Division
Transportation and Public Utilities Section

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CENTRAL ELECTRIC STATIONS

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CENTRAL ELECTRIC STATIONS

CENTRALES ÉLECTRIQUES

1952

For purposes of the annual census, central electric stations are defined as companies, municipalities, or individuals selling or distributing electric energy, whether generated by themselves or purchased for resale. The stations are divided into two classes according to ownership, viz., (a) commercial (or privately owned),—those operated by companies or individuals, and (b) municipal (or publicly-owned),—those operated by municipal, provincial or federal governments. The stations are also divided according to operation into (a) **generating**, those stations generating power which they sell (many of them also purchase power to supplement their own output), and (b) **non-generating**, those stations which purchase practically all the power they sell. In this last class there were 11 stations which were holding generating equipment classed as auxiliary plant equipment. Eight of them purchased all their electric energy and the remaining three generated only 1,301,000 kilowatt hours during 1952. This results in the rather anomalous item in table 12 purporting to show the output of "non-generating" stations.

Included in the report are statistics covering a few stations concerned primarily with other industries, such as mining, manufacturing of pulp and paper, etc., which sell surplus power. For such plants the statistics pertaining to the central electric station phase of the industry have been segregated as far as possible. Equipment, which is not used primarily for the Central Electric Station Industry, is not shown in the current report, accounting for the drop in the number of units listed for commercial stations as compared with years prior to 1947 and a rise in some provinces in the average number of kw. hrs. generated per h.p. and per kva. as shown in table 12. This applies especially in Saskatchewan, Alberta and in the Yukon and Northwest Territories.

Stations are allowed to file returns for their fiscal years, which are not calendar years in all cases. Consequently, the output as recorded in this annual report will not necessarily coincide with the output for the twelve calendar months shown in the monthly reports. The various data, however, in the annual reports are for comparable periods. Moreover, the monthly report does not include statistics for the smaller stations and shows the net amount of power generated¹ by reporting stations, whereas the annual report excludes all power for company use. For long term comparability, the monthly report retains the West Kootenay plants which were dropped from the annual in 1947, as their entire output was taken over by the purchasing company and is reported under the metal smelting and refining industry.

During 1952 primary power consumed in Canada (including all line losses) increased from 49,348,567,000 kilowatt hours in 1951 to 53,193,006,000 kilowatt hours, or by 8 per cent, while the consumption of secondary power rose from 3,136,711,000 kilowatt hours in 1951 to 3,742,967,000 or by 19 p.c.

Secondary power is off-peak or surplus power delivered as it is available. It is subject to interruption or variation daily and seasonally, and consequently is often sold at relatively low rates. The stations endeavour to keep their "secondary" customers advised as much in advance as possible of interruptions or reductions, which may be due to variations in water supply or in the demands of customers for primary power.

Primary power, also known in the industry as "firm power", is power delivered as and when required by the customer. Stations must be ready to deliver power to primary power customers up to the rate contracted for whenever the customer requires it, and consequently must have sufficient capacity or interconnections to take care of all such demands.

Aux fins du recensement annuel, les centrales électriques sont considérées comme des compagnies, municipalités ou particuliers qui vendent ou distribuent de l'énergie électrique produite par eux-mêmes ou achetée pour la revente. Les centrales sont divisées en deux catégories: a) commerciales (ou de propriété privée)—centrales exploitées par des compagnies ou des particuliers, et b) municipales (ou de propriété publique)—centrales exploitées par les gouvernements municipaux, provinciaux ou fédéral. Elles sont aussi réparties selon leurs fonctions: a) **stations génératrices**, c.-à-d. celles qui produisent l'énergie qu'elles vendent (plusieurs d'entre elles achètent aussi de l'énergie pour suppléer à leur propre production) et b) **stations non génératrices**, c.-à-d. celles qui achètent presque toute l'énergie qu'elles vendent. Cette dernière catégorie comprenait 11 stations pourvues d'outillage dit de centrales auxiliaires. Huit d'entre elles achetaient toute leur énergie électrique; les trois autres n'ont produit ensemble que 1,301,000 kilowatt-heures en 1952, d'où le poste plutôt irrégulier qui a trait, au tableau 12, à la production des centrales "non génératrices".

Le présent rapport renferme aussi des statistiques sur les quelques centrales dont l'exploitation se rattache étroitement à l'extraction minière, à la fabrication de la pulpe et du papier, etc., et qui vendent un excédent d'énergie. On a fait autant que possible, pour ces usines, la part des données qui portent sur les aménagements d'énergie électrique de l'industrie. L'outillage qui n'est pas absolument pertinent à l'industrie des centrales électriques n'apparaît pas dans le présent rapport; cela explique la diminution des unités au poste des centrales commerciales au regard des années antérieures à 1947, de même que la hausse, dans certaines provinces, du nombre moyen de kwh produit par HP et par kVa, au tableau 12. Cela s'applique spécialement à la Saskatchewan, à l'Alberta, au Yukon et aux Territoires du Nord-Ouest.

Les centrales peuvent faire rapport pour leur année financière qui n'est pas toujours l'année civile. Ainsi, la production indiquée dans le présent rapport ne coïncidera pas nécessairement avec celle que les rapports mensuels donnent pour les douze mois civils. Cependant, les diverses données des rapports annuels portent sur des périodes correspondantes. De plus, le rapport mensuel ne renferme pas de statistiques sur les petites centrales mais il indique la quantité nette d'énergie¹ produite par les centrales faisant rapport, tandis que le rapport annuel exclut toute l'énergie utilisée par la compagnie qui la produit. Pour fins de comparaison, le rapport mensuel mentionne toujours les centrales de West-Kootenay, centrales que le rapport annuel a mises de côté en 1947 quand leur production entière a été achetée par une compagnie; cette production est maintenant comprise à l'article de l'industrie de la fonte et du raffinage des métaux.

Le Canada a consommé 53,193,006,000 kwh d'énergie primaire en 1952, y compris les pertes de transmission, contre 49,348,567,000 l'année précédente, soit un gain de 18 p.100, et 3,742,967,000 kwh d'énergie secondaire, contre 3,136,711,000 en 1951, augmentation de 19 p.100.

L'énergie secondaire est l'excédent de production livré à mesure qu'il devient disponible. Elle est sujette à des interruptions ou variations quotidiennes et saisonnières qui la font vendre souvent à des prix relativement bas. Les centrales s'efforcent d'avertir les consommateurs d'énergie secondaire le plus tôt possible de toute interruption ou réduction à venir, variations qui dépendent de l'approvisionnement d'eau ou de la demande des consommateurs d'énergie primaire.

L'énergie primaire, aussi appelée "énergie ferme" dans l'industrie, est celle qui est livrée au consommateur sur demande. Les centrales doivent être prêtes à livrer aux consommateurs la quantité exigée par contrat, et au moment où ils en ont besoin, et posséder la capacité et les moyens nécessaires pour répondre à ces demandes. En pratique, tous les consom-

1. Output less station use.

1. Production, moins quantité utilisée par la centrale.

In practice, all customers on a system do not require their maximum deliveries at the same time and generally there is a considerable difference hourly and daily in the rate at which the power plant must operate to produce the power as required. Most of the secondary power is sold to pulp and paper mills for the production of low pressure steam, where short interruptions of electric energy for the boilers can be tolerated with little inconvenience. Secondary sales are confined mainly to Quebec, Ontario and Manitoba, with Quebec using nearly 68 p.c. of the total secondary power used in Canada during 1952.

Based on monthly reports, the consumption of primary power has continued to increase steadily since September of 1946. Deliveries of secondary power had risen to a peak in 1946; but post war industrial activity and rearmament plus a steadily rising domestic demand reduced the amount of secondary power available to relatively low levels, with only 3,742,967,000 kilowatt hours consumed in Canada in 1952 and 3,554,489,000 in 1953. During 1953 there was a small decrease in secondary use over 1952, due in part to low water levels, especially in the latter part of the year. Increasing industrial and domestic requirements still threaten to strain existing facilities, particularly in Southern Ontario, where it became necessary to import power from the United States in the fall of 1953. The vast expansion project underway at Niagara made marked progress and the St. Lawrence development is now assured.

The net output of electric energy for secondary use in Canada each month is shown below:

Secondary Power for use in Canada

(based on Monthly Reports)

Énergie secondaire disponible au Canada

(D'après les rapports mensuels)

Month	1948	1949	1950	1951	1952	Mois
('000 kw. hrs. — En milliers de kwh.)						
January	227,866	143,678	169,819	244,145	274,286	Janvier
February	211,963	136,002	194,374	228,816	264,343	Février
March	167,122	157,140	209,277	294,631	278,537	Mars
April	255,006	453,584	223,511	460,210	324,539	Avril
May	433,290	499,246	422,344	491,704	470,714	Mai
June	216,772	382,419	439,123	240,981	407,027	Juin
July	150,748	199,735	327,276	186,456	281,350	Juillet
August	147,229	124,006	200,387	121,216	307,743	Août
September	111,420	137,703	127,020	128,290	249,117	Septembre
October	114,191	228,065	153,273	206,104	318,200	Octobre
November	126,923	189,875	171,910	261,983	266,433	Novembre
December	141,457	188,529	255,070	272,175	300,678	Décembre
Total	2,303,987	2,839,982	2,893,384	3,136,711	3,742,967	Total

Distribution and Consumption

During 1952, as illustrated on page 7, the pulp and paper industry continued as the largest overall consumer of electrical energy although the metal smelting and refining industry, of which the aluminium group is the leader, surpassed the pulp and paper industry as a customer of the central electric stations. Some 16.7 p.c. of central station output was delivered to the pulp and paper group compared with 16.8 p.c. in 1951, whereas the metal smelting and refining took 18.8 p.c. during 1952 against 18.2 p.c. in 1951. Residential customers used 8,741,182,000 kilowatt hours in 1952 compared with 7,726,114,000 in 1951 and some 278 p.c. above the 2,310,891,000 kilowatt hours used in 1939—a remarkable growth in the period. Average used per domestic or residential customer rose 97.4 p.c. in the same comparison.

moteurs faisant partie d'un même système de distribution n'ont pas besoin de leur livraisons maximums en même temps et, de façon générale, le taux de la production nécessaire d'une centrale varie beaucoup selon les heures et les jours. La majeure partie de l'énergie secondaire est vendue aux moulins de pulpe et de papier pour la production de vapeur à basse pression, production qui peut s'accommoder assez bien des interruptions du courant. L'énergie secondaire ne se vend qu'au Québec, en Ontario et au Manitoba, le premier ayant absorbé près de 68 p.100 de la production nationale en 1952.

D'après les rapports mensuels, la consommation d'énergie primaire a continué d'augmenter régulièrement depuis septembre 1946. Les livraisons d'énergie secondaire ont atteint un sommet en 1946, mais l'activité industrielle d'après-guerre et le programme de réarmement ajoutés à la demande ménagère toujours croissante ont fait beaucoup réduire la quantité d'énergie secondaire disponible. En fait, il ne s'en est consommé que 3,742,967,000 kwh au Canada en 1952 et 3,554,489,000 en 1953. La faible diminution de 1952 à 1953 vient en partie du bas niveau des eaux, spécialement durant la dernière partie de l'année. Les demandes croissantes de l'industrie et du service ménager menacent toujours d'épuiser les disponibilités actuelles, particulièrement dans le sud de l'Ontario où il a fallu importer de l'énergie des États-Unis à l'automne de 1953. Le vaste projet d'expansion en cours à Niagara a fait de gros progrès et l'aménagement du Saint-Laurent est maintenant chose assurée.

Le tableau suivant donne la production nette d'énergie électrique secondaire, par mois, au Canada:

Distribution et consommation

L'industrie de la pulpe et du papier est demeurée en 1952 le plus fort consommateur d'énergie électrique en général, comme l'indique le tableau suivant, bien que l'industrie de la fonte et du raffinage des métaux, dont le principal groupe est l'aluminium, l'ait surpassée en tant que cliente des centrales électriques. Environ 16.7 p.100 de la production des centrales a été livrée à l'industrie de la pulpe et du papier en 1952, contre 16.8 p.100 l'année précédente, tandis que la fonte et le raffinage des métaux en ont absorbé 18.8 p.100, contre 18.2 p.100 en 1951. Les consommateurs ménagers ont acheté 8,741,182,000 kwh en 1952, contre 7,726,114,000, soit une avance de 278 p.100 sur les 2,310,891,000 kwh utilisés en 1939. C'est là une remarquable augmentation. La quantité moyenne utilisée par les usagers résidentiels ou ménagers a augmenté de 97.4 p.100 durant la même période de comparaison.

For the following table, data covering the first 7 groups were taken from the industrial census reports on the industries; the consumption for "other industries" was computed by deduction, and consequently is only approximate. Ferro-alloys and steel furnaces are included under the heading of Primary Iron and Steel, which also covers pig iron and rolling mills. Purchases and generation of mining companies, previously with "other industries", have been segregated since 1949.

Dans le tableau suivant, les données des sept premiers groupes ont été tirées des rapports du recensement de l'industrie; la consommation du groupe des "autres industries" a été calculée par déduction et n'est donc qu'approximative. Les industries des fourneaux de ferro-alliages et d'acier sont comprises dans le groupe du fer et de l'acier primaires, groupe qui renferme aussi les fonderies et les lamineries. Les achats et la production d'énergie des entreprises minières, antérieurement compris dans le groupe des "autres industries" sont donnés séparément depuis 1949.

Distribution and Consumption of Electric Energy Generated, 1952

(thousands of Kilowatt Hours)

Distribution et consommation de l'énergie électrique produits, 1952

(en milliers de kwh.)

Industries	Central Electric Station Power Purchased — Énergie achetée des centrales		Power Generated by the Industries for own use — Énergie produite par les industries pour leur propre usage	Industries
	Total Power Énergie totale	P.C. of Total Proportion du total		
Pulp and Paper	9,929,112	16.71	4,063,132	Pulpe et papier
Primary Iron and Steel	2,413,090	4.06	215,710	Fer et acier primaires
Artificial Abrasives and Abrasive Products.....	934,275	1.57	—	Abrasifs artificiels et produits
Chemicals, industrial (acids, alkalis & salts)....	2,031,761	3.42	122,875	Produits chimiques industriels (acides, alkalis et sels)
Metal, Smelting and Refining	11,176,776	18.82	639,459	Fonte et raffinage des métaux
Other Manufacturing	5,933,612	9.99	1,409,553	Autres manufactures
Total Manufacturing	32,418,626	54.57	6,450,729	Total, industrie manufacturière
Mining	2,617,957	4.41	234,431	Mines
Other Industries	2,495,628	4.20	...	Autres industries
Domestic Service (Residential)	8,741,182	14.71	...	Service ménager (résidentiel)
Commercial Lighting	3,489,248	5.87	...	Éclairage commercial
Municipal Power	796,117	1.34	...	Énergie municipale
Street Lighting	348,246	0.59	...	Éclairage des rues
Free Service	71,577	0.12	...	Service gratuit
Exports to U.S.A.	2,493,210	4.20	...	Exportations aux É.-U.
Losses	5,937,407	9.99	...	Pertes
Total output of central electric stations.....	59,409,198	100.00	...	Production totale

... Not applicable. — Ne s'appliquent pas.

Exports and Imports

Electricity is exported subject to duty from Canada only under licence granted by the Standards Branch of the Department of Trade and Commerce. During the calendar year ended December 31, 1952, export duty amounted to \$747,963.51, based upon a rate of approximately three one-hundredths of one cent per kilowatt hour.

Following is a table showing the quantities of power exported for the calendar years 1951 and the amount imported in 1952. The export data for this table were compiled from the reports of the Director of the Standards Branch, Department of Trade and Commerce. Import data were available from central electric stations reports.

Exportations et importations

L'électricité est exportée du Canada, moyennant des droits, en vertu seulement d'un permis de la Division des standards du ministère du Commerce. Durant l'année civile terminée le 31 décembre 1952, les droits d'exportation perçus se sont élevés à \$747,963.51; le droit est d'environ trois centièmes de cent par kilowatt-heure.

Le tableau suivant donne la quantité d'énergie exportée durant l'année civile 1951 et la quantité importée durant l'année civile 1952. Les chiffres des exportations ont été calculés d'après les rapports du Directeur de la Division des standards du ministère du Commerce. Ceux des importations ont été tirés des rapports des centrales électriques.

Exports and Imports of Electricity

(To and from United States)

Exportations et importations d'électricité

(Échanges avec les États-Unis)

Company — Compagnie	Exported Exportée 1951	Exported Exportée 1952	Imported Importée 1952
	('000 Kw. Hrs. — En milliers de kwh.)		
Hydro Electric Power Commission of Ontario	392,036	374,772	—
Hydro Electric Power Commission of Ontario (surplus) — Niagara	467,175	419,950	—
Hydro Electric Power Commission of Ontario (surplus) — Cornwall	250,212	324,928	—
Canadian Niagara Power Company, Ltd.	303,660	321,188	—
Canadian Niagara Power Company, Ltd. (surplus)	37,966	93,218	—
Ontario Minnesota Power Company	39,340	42,312	—
Detroit and Windsor Subway Company	325	352	—
Quebec Hydro Commission (via Cedar Rapids Transmission)	644,017	650,142	—
Southern Canada Power Company	2,976	3,220	—
Southern Canada Power Company (surplus)	—	11,616	—
Maine and New Brunswick Electric Power Company	39,129	27,610	—
Maine and New Brunswick Electric Power Company (surplus)	2,113	4,956	—
Fraser Companies Limited	8,319	8,893	—
British Columbia Electric Company, Ltd.	188,186	209,982	18,310
Shawinigan Water & Power Company	—	—	178
Mississquoi Stone and Marble Company	—	—	200
Town of Emerson — Ville d'Emerson	—	—	723
Southern Utilities Company, Ltd.	—	—	345
Other	68	71	229
Total	2,375,522	2,493,210	19,985

Potential and Developed Water Power

Total hydraulic installations in all industries in Canada at the close of 1952, including active and inactive plants, as compiled by the Water Resources Division, Department of Northern Affairs and National Resources, were rated at 14,305,880 horse power, an increase of almost a million horse-power in the year. The following table shows the available and developed water power in each province to the end of 1953.

Énergie hydraulique potentielle et mise en valeur

L'aménagement hydraulique dans toutes les industries du Canada à la fin de 1952, y compris les centrales actives et inactives, donnait, d'après la Division des ressources hydrauliques du ministère du Nord canadien et des Ressources nationales, 14,305,880 HP, augmentation de près d'un million sur l'année précédente. Le tableau qui suit indique les ressources hydrauliques disponibles et celles déjà mises en valeur dans chaque province à la fin de 1953.

Potential and Developed Water Power in Canada, December 31

Énergie hydraulique potentielle et mise en valeur au Canada, 31 décembre

Province	Potential ¹ — Potentielle ¹		Turbine Installation — Mise en valeur	
	At Ordinary Minimum Flow — Au débit minimum normal	At Ordinary Six Months Flow — Au débit normal de six mois	1952	1953
	H. P.	H. P.	H. P.	H. P.
Newfoundland	958,500	2,754,000	292,660	311,150
Prince Edward Island	500	3,000	2,299	1,900
Nova Scotia	25,500	156,000	162,455	162,433
New Brunswick	123,000	334,000	135,511	164,130
Quebec	10,896,000	20,445,000	7,263,621	7,719,122
Ontario	5,407,000	7,261,000	3,948,466	4,006,686
Manitoba	3,333,000	5,562,000	716,900	716,900
Saskatchewan	550,000	1,120,000	111,835	109,835
Alberta	508,000	1,258,000	207,825	207,960
British Columbia	7,023,000	10,998,000	1,432,858	1,496,518
Yukon and Northwest Territories	382,500	814,000	31,450	32,440
Canada	29,207,000	50,705,000	14,305,880	14,929,074

1. Available 24-hour power at 80% efficiency, December 31, 1953. — Énergie disponible en 24 heures à 80 p.100 de rendement, le 31 décembre 1953.

The horse power figures based on flow in columns 2 and 3 are estimated only upon rapids, falls and power sites of which the actual drop or head possible of concentration is definitely known or reasonably well established and represent only the minimum possibilities. Many remoter water-powers of greater or less capacity from coast to coast have not yet been recorded and are therefore not reflected in the totals. With the construction of storage basins and other regulating works, these potential power figures could be further increased. It is common practice to install equipment with capacity much greater than the theoretical continuous power of the waterfall and on this basis it is estimated that the maximum economic turbine installation capacity of the recorded water-powers of Canada was nearly 66,000,000 horse power at the end of 1952. Although vast reserves of water power lie northward of present industrial developments, the distance that power can be economically transmitted is being increased well beyond 300 miles, and more efficient use of capacity is being attained through system interconnections to bring these resources nearer to exploitation.

Figuratively, every Canadian has the miracle of an "electric horse" at his command to help him do his work, to light his way, to chill or cook his food, to drive his tram or train, to bring him music and entertainment and to do a thousand and one things with incredible speed and efficiency. The miracle of electricity has made possible our relatively high standard of living and the tremendous development of the past half century. It has helped to develop pulp and paper, aluminium, chemical, smelting and refining, electrical and atomic industries. Its magic has tamed the wilderness and caused great towns and industries to rise up. More than any one material factor, abundant electric power has made Canada industrially great and helped immeasurably to preserve us against aggression.

TABLE 1 — (pages 18-19). Comparative Summary, 1939-1952

Generation by all reporting stations during 1952 totalled 59,409,198,000 kilowatt hours, of which 2,493,210,000 were exported to the United States. Imports were 19,985,000 kilowatt hours, mainly into British Columbia. Commercial stations generated 32,883,227,000 kilowatt hours compared with 30,471,042,000 in 1951, while municipal or publicly-owned stations accounted for 26,525,971,000 or 44.6 p.c. of the national total in 1952 against 44.4 p.c. in the preceding year. New installations contributed to the general advance over 1951. Of the total Canadian output of 59,409,198,000 kilowatt hours in 1952, 57,023,530,000 kilowatt hours, or 96 per cent, were produced from water power, whereas 1,606,317,000 kilowatt hours were produced by plants using only thermal power and 779,351,000 kilowatt hours were produced by thermal auxiliary equipment in hydraulic plants and in "non-generating" stations.

The number of generating stations dropped in 1952 to 562. The decrease was largely due to small central electric stations closing down or being merged with other companies or consolidated under commission authority. This is particularly apparent in Saskatchewan. Some plants, which were previously considered as main thermal generating plants, in British Columbia, Nova Scotia and Ontario, are now classified as auxiliary plants. This has the effect of causing a drop in the number of main plants and a corresponding increase in the number of auxiliary plants.

Pole line mileage continued to advance steadily at 190,316 miles compared with 170,582 miles in 1951 and 72,132 miles in 1939. Customers numbered 3,620,595, an increase of 180,845 or 5.3 p.c. over 1951 and 86.5 p.c. over the 1939 figure. In the same span the population of Canada rose over 28 p.c. Domestic (including farm) customers represented almost 86 p.c. of the national total in 1952.

Les chiffres des colonnes 2 et 3, basés sur le débit, ne sont estimés que d'après les rapides, les chutes et les endroits susceptibles d'être aménagés en installations hydrauliques et dont le dénivellement ou le lieu possible de concentration est connu définitivement ou raisonnablement bien établi et ne représentent que les possibilités minimums. Il y a, à travers le pays, plusieurs sources d'énergie plus reculées et de capacité plus ou moins importante établies, mais elles n'ont pas encore été enregistrées. Elles ne figurent donc pas au total. La construction de bassins d'emmagasinage et d'autres travaux de régularisation des eaux pourront augmenter davantage les chiffres de l'énergie potentielle. Il est d'usage courant d'installer de l'équipement d'une capacité beaucoup plus grande que le débit d'énergie théorique de la chute d'eau et c'est sur quoi l'on se fonde pour estimer à près de 66 millions de HP la capacité économique maximum d'aménagement de turbines des ressources hydrauliques du pays. Bien que de vastes réserves d'énergie hydraulique gisent au nord des aménagements industriels de l'heure, on a accru à bien plus de 300 milles la distance sur laquelle on peut transmettre l'énergie de façon économique. On obtient un meilleur rendement de capacité grâce aux systèmes conjugués qui permettent de rendre ces ressources plus propices à l'exploitation.

Au figuré, chaque Canadien, comme par miracle, a un "cheval électrique" à son service pour l'aider dans son travail, pour éclairer son chemin, refroidir ou cuire ses aliments, faire mouvoir son tramway ou son train, pour lui donner la musique ou des spectacles et pour faire, à son compte, mille et une choses avec une efficacité et une rapidité incroyables. Le miracle de l'électricité a rendu possible notre standard de vie relativement élevé et le formidable développement du dernier demi-siècle. Il a aidé au progrès des industries de la pulpe et du papier, de l'aluminium, des produits chimiques, de la fonte et du raffinage des métaux, des accessoires électriques et de l'énergie électrique. Sa magie a dompté le désert et a fait s'élever de grandes villes et de grosses industries. Plus que tout autre facteur matériel, l'abondance d'énergie atomique a fait grandir le Canada industriellement et a contribué dans une très grande mesure à nous préserver de toute agression.

TABLEAU 1 — (pages 18-19). Résumé comparatif, 1939-1952

La production totale des centrales faisant rapport a atteint 59,409,198,000 kwh en 1952, dont 2,493,210,000 ont été exportés aux États-Unis. Le Canada, à son tour, plus spécialement la Colombie-Britannique, a importé 19,985,000 kwh. Les centrales commerciales ont produit 32,883,227,000 kwh en 1952, contre 30,471,042,000 en 1951, tandis que les centrales municipales ou de propriété publique ont été comptables de 26,525,971,000 kwh ou de 44.6 p.100 de la production nationale, contre 44.4 p.100 l'année précédente. Les nouveaux aménagements ont causé cette avance générale. De la production canadienne totale d'énergie électrique en 1952, 57,023,530,000 kwh ou 96 p.100 ont été générés par l'énergie hydraulique, 1,606,317,000 kwh par des centrales qui ne produisaient que de l'énergie thermique et 779,351,000 kwh ont été produits au moyen d'outillage auxiliaire thermique dans des centrales hydrauliques et dans des centrales "non génératrices".

Le nombre de centrales génératrices est tombé à 562 en 1952. Cette diminution est due en grande partie à la fermeture de petites centrales ou à la fusion de ces centrales avec d'autres compagnies, ou encore, à leur réunion sous une même commission. Cela s'est produit surtout en Saskatchewan. Certaines centrales, considérées antérieurement comme centrales thermiques et génératrices principales en Colombie-Britannique, en Nouvelle-Écosse et en Ontario sont maintenant classées comme centrales auxiliaires, d'où la baisse du nombre de centrales principales et l'augmentation du nombre d'auxiliaires.

La longueur des lignes sur poteaux a continué de s'accroître constamment; elle a atteint 190,316 milles en 1952, en comparaison de 170,582 milles en 1951 et de 72,132 milles en 1939. Les usagers se sont chiffrés par 3,620,595, gain de 180,845 ou de 5.3 p.100 sur 1951 et de 86.5 p.100 sur 1939. Durant la même période, la population du Canada a augmenté de plus de 28 p.100. Les usagers ménagers (y compris les usagers agricoles) représentaient 86 p.100 du total national en 1952.

Revenues of central electric stations in the 13 year period from 1939 to 1952 climbed from \$151,880,969 to \$415,494,074, an increase of 173.6 p.c., while electric energy generated advanced from 28,338 million kilowatt hours to nearly 59,409 million or by almost 110 p.c. Numbers of customers served also rose appreciably in all classes, with domestic consumers, including farm service, numbering 3,112,306 in 1952, an increase of 91.7 p.c. over the 13 year span. Average consumption rose over 97 p.c. in a similar comparison for domestic customers. With the steady expansion of publicly-owned facilities, municipal, provincial and federal systems secured 57.25 p.c. of total revenues for 1952 compared with 39.07 p.c. in 1939. Revenues reported by all distributors from domestic service brought \$144,650,270 for 1952 compared with \$127,660,008 in 1951 and \$43,793,482 in 1939. Commercial lighting produced \$71,534,631 or \$7,183,880 more than in 1951 while large power users, such as paper mills, smelters and factories, paid \$169,938,350 in 1952 against \$153,194,798 during the preceding year. However, municipal or publicly-owned stations purchased a considerable part of the output of commercial stations at wholesale and distributed it to their widespread customers. This is particularly true of Western Quebec where commercial stations, such as those of Gatineau Power and Maclaren deliver a large part of their production across the Ottawa River to the Ontario Hydro-Electric Power Commission system. Revenues of municipal stations were \$237,879,008 in 1952 compared with \$177,615,066 for commercial stations and the municipal group had over twice as many customers as the commercial.

Expenses reported, which include only the four items—wages, fuel, taxes and cost of power purchased advanced from \$297,854,199¹ in 1951 to \$328,253,100 in 1952. Reported taxes were up \$5,403,608 to \$47,410,218. Details are shown at the bottom of page 12, indicating a rise in municipal and federal taxes paid by both commercial and municipal stations over 1951. Salaries and wages totalled \$152,383,011 against \$135,704,429¹ as employees¹ fell by 229 to 47,238. Cost of purchased power (interchanged between stations) increased from \$109,142,759 in 1951 to \$115,039,308. Fuel costs rose from \$11,000,401 to \$13,420,563.

The total capacity of primary equipment in central station main plants registered an increase of about 4 p.c. from 1951, advancing 559,588 to 13,341,198 horse power. Primary here signifies water wheels and turbines, steam and internal combustion engines used to operate generators, which in turn are classed as secondary power equipment. Some equipment shown as main thermal plant equipment until 1951 is now shown as auxiliary to hydraulic stations; the increase in total primary capacity (including auxiliary) was 9 p.c. over the 1951 figure.

TABLE 2 — (pages 20-21). Electric Power Plants

Generating stations are the individual power plants of the central electric organizations. Each building housing power-producing machinery is counted as a generating station. Commercial organizations are privately owned companies or individuals selling electric energy and the municipal group includes publicly owned utilities of urban and rural municipalities, provincial commissions, etc., selling power. Those generating power may operate from one to several power plants each, sometimes situated at different falls or rapids on the same river. The largest system serving 1,244 municipalities is the Ontario Hydro-Electric Power Commission which operated 64 hydraulic plants and 8 thermal electric generating plants in 1952. The auxiliary or standby plants are thermal power equipment belonging to hydraulic systems or non-generating systems and are not included as generating stations.

1. Revised.

Note. Some comparisons with years previous to 1947 are affected by the *Consolidated Mining and Smelting Company* taking over the *West Kootenay* central electric plants 2, 3, 4 and 5 in British Columbia and absorbing the plants and their output as part of the mining and smelting industrial group.

De 1939 à 1952, les recettes des centrales électriques ont augmenté de \$151,880,969 à \$415,494,074 ou de 173.6 p.100, tandis que la production d'énergie électrique a avancé de 28,338 millions de kwh à près de 59,409 millions ou d'environ 110 p.100. Les usagers ont augmenté dans toutes les catégories, ceux du service ménager, y compris le service agricole, atteignant 3,112,306, soit un gain de 91.7 p.100 durant la période de 13 ans. La consommation moyenne a augmenté de plus de 97 p.100 durant la même période et dans le cas des mêmes usagers. Grâce à l'expansion constante des services publics, les systèmes municipaux, provinciaux et fédéraux ont absorbé 57.25 p.100 des recettes totales en 1952, contre 39.07 p.100 seulement en 1939. Les recettes globales de tous les distributeurs et provenant du service ménager se sont chiffrées par \$144,650,270, contre \$127,660,008 en 1951 et \$43,793,482 en 1939. L'éclairage commercial a donné \$71,534,631 ou \$7,183,880 de plus qu'en 1951, tandis que les gros usagers d'énergie, comme les moulins à papier, les fonderies et les manufactures, ont versé \$169,938,350 en 1952, contre \$153,194,798 l'année précédente. Toutefois, les centrales municipales ou de propriété publique ont acheté une forte part de la production des centrales commerciales, à prix de gros, et ont distribué cette énergie à leurs nombreux usagers. Cela s'est surtout produit dans l'ouest du Québec où les centrales commerciales comme la *Gatineau Power* et la *Maclaren* ont livré une bonne partie de leur production par de-là la rivière Ottawa, au système de la Commission hydroélectrique d'Ontario. Les recettes des centrales municipales se sont chiffrées par \$237,879,008 en 1952, contre \$177,615,066 pour les centrales commerciales. Les centrales municipales comptaient plus du double des clients des centrales commerciales.

Les dépenses déclarées, qui comprennent seulement les salaires, le combustible, les taxes et le coût de l'énergie achetée, sont passées de \$297,854,199¹ en 1951 à \$328,253,100 en 1952. Les taxes déclarées ont augmenté de \$5,403,608 pour atteindre \$47,410,218. On trouvera le détail de la dépense en page 12, détail qui indique une augmentation des taxes municipales et fédérales versées par les centrales commerciales et municipales au regard de 1951. Les salaires et gages se sont élevés de \$135,704,429¹ à \$152,383,011 tandis que le nombre d'employés¹ a baissé de 229 pour s'établir à 47,238. Le coût de l'achat d'énergie (échanges entre centrales) a augmenté de \$109,142,759 en 1951 à \$115,039,308 en 1952, et celui du combustible, de \$11,000,401 à \$13,420,563.

La capacité totale de l'outillage primaire dans les centrales principales a accusé une augmentation d'environ 4 p.100 sur 1951, passant de 559,588 à 13,341,198 HP. Le mot primaire signifie ici les roues et turbines hydrauliques, les moteurs à vapeur et à combustion interne utilisés pour faire fonctionner les générateurs qui, à leur tour, sont appelés outillage secondaire. Certains articles considérés comme outillage de centrales thermiques principales jusqu'en 1951, sont maintenant classés comme outillage auxiliaire des centrales. L'augmentation de la capacité primaire totale (y compris la capacité auxiliaire) au regard de 1951 est de 9 p.100.

TABLEAU 2 — (pages 20-21). Génératrices électriques

Les centrales génératrices sont les usines d'énergie individuelles des systèmes distributeurs d'électricité. Chaque édifice qui abrite de l'outillage générateur est appelé centrale génératrice. Les systèmes commerciaux sont des compagnies privées ou des particuliers qui vendent de l'énergie électrique, tandis que le groupe municipal comprend les services publics des localités urbaines et rurales, les commissions provinciales, etc., qui vendent de l'énergie. Ces centrales génératrices peuvent fonctionner seules ou en groupe, étant situées parfois en des endroits différents sur une même rivière. Le plus grand système au pays est la Commission hydroélectrique d'Ontario. Elle sert 1,244 municipalités et, en 1952, exploitait 64 usines hydrauliques et 8 usines génératrices thermo-électriques. Les centrales auxiliaires ou de réserve sont un outillage d'énergie thermique appartenant aux systèmes hydrauliques ou aux systèmes non générateurs et ne comptent pas comme stations génératrices.

1. Rectifié.

Nota. Certaines comparaisons avec les années antérieures à 1947 se ressentent de l'achat, par la *Consolidated Mining and Smelting Company*, des centrales *West-Kootenay* 2, 3, 4 et 5, en Colombie-Britannique, et de la fusion des centrales et de leur production dans le groupe industriel de l'extraction minière et de la fonte des métaux.

Of the 562 main generating plants reporting operations during 1952, 344 were hydraulic, principally in Ontario, Quebec and British Columbia, while 218 were thermal situated mainly in Saskatchewan and Alberta. It is important to note that the hydraulic stations along with their auxiliary thermal plants generated 97 p.c. of the power produced in Canada during the year.

TABLE 3 — (pages 22-23). Revenues

Central electric stations report revenue according to the following headings: (1) farm service, (2) domestic service, which includes lighting and all other residential uses, (3) commercial light, (4) power, small, 50 kw. and under, (5) power, large, over 50 kw., (6) power, municipal, mainly used in municipal water pumping stations, (7) sales to distributing companies, and (8) street lighting. The report contains, as well, the quantity of electricity supplied free to public buildings, company towns, etc.

Revenue is gross revenue less cost of power. It is the revenue received from consumers (excepting in the large power class, from which the cost of electric energy purchased is deducted). Where power is purchased by a station in one province from a station in another province, the cost of such power is not deducted in computing provincial data. It is however, deducted in computing the national totals.

Average revenues per kilowatt hour sold are affected by many factors and are not always indicative of the relative costs for similar services. The averages for domestic services and for commercial lighting are for more or less identical services for each station, but even here such factors as the use of electric stoves, space heaters, flat rate water heaters, the source of supply, the firm power load, the market for off-peak and surplus power, and the cost of generation, transmission, and distribution all affect the rates. Domestic service data are discussed further at the end of the text. As might be expected, Quebec stations with their enormous sales to pulp and paper mills, aluminium plants, wholesale sales to Ontario, etc., showed a smaller proportion of revenue from domestic service than any other stations, excepting those in the Yukon-Northwest Territories, although the revenue reported was greater in dollars than that in other provinces except Ontario. In computing the average total revenue per kilowatt hour, all line losses were included, but for domestic service and farm services, for commercial light, etc., line losses were not included, the consumptions for these services being measured at the consumers' meters. The average revenue per kilowatt hour consumed for each province is the revenue received from ultimate consumers within each province plus revenue received for power exported from the province, divided by the total kilowatt hours so sold, including all line losses. The average revenues per kilowatt hour for domestic service are affected by the consumption per customer and by the relative quantities used for lighting, cooking and water heaters, etc., often different rates apply to these varied services. In most municipalities, when the consumption increases, the average cost per kilowatt hour to the consumer decreases. Also, where flat rates apply to water heaters, the average cost per kilowatt hour for all domestic services is reduced and, as the number of flat rate heaters is increased, the average for the municipality or province decreases, unless offset by increases in rates elsewhere. The average revenue of 1.65 cents per kilowatt hour for all domestic service (or 1.57 cents with farm service excluded) compares with an average of 2.77 cents in the United States, which is almost 68 p.c. above the Canadian figure. About 74 p.c. of U.S. generation in 1952 was by steam and internal combustion engine compared with only 4 p.c. in Canada. The average revenues per horse power and per kilovolt ampere are affected by the classes of service and their relative importance in each province. Quebec stations sell large quantities of power to Ontario distributors. The Quebec stations are credited with the wholesale revenue and the Ontario stations with the retail revenue from this power. In computing the averages for Ontario stations, the equipment capacities shown in table 12 were increased one horse power for each 4,576 kilowatt hours imported from Quebec stations and one kilovolt ampere for each 6,136 kilowatt hours imported. This

Des 562 centrales génératrices principales qui ont fait rapport en 1952, 344 étaient hydrauliques et étaient situées surtout en Ontario, au Québec et en Colombie-Britannique. Les 218 autres étaient thermiques; on les trouvait presque toutes en Saskatchewan et en Alberta. Il faut signaler que les centrales hydrauliques ont été comptables durant l'année, avec leurs centrales thermiques auxiliaires, de 97 p.100 de l'énergie totale produite au Canada.

TABEAU 3 — (pages 22-23). Recettes

Les centrales électriques font rapport de leurs recettes aux postes suivants: 1) service agricole; 2) service ménager, ce qui comprend l'éclairage et autres usages résidentiels; 3) éclairage commercial; 4) énergie (petite), 50 kw et moins; 5) énergie (grosse) plus de 50 kw; 6) énergie municipale, utilisée surtout dans les stations municipales de pompes; 7) ventes aux compagnies distributrices; 8) éclairage des rues. Le rapport renferme aussi la quantité d'électricité fournie gratuitement aux édifices publics, aux villages industriels, etc.

Les recettes sont le revenu brut moins le coût de l'énergie. C'est l'argent perçu des consommateurs (sauf ceux de la catégorie de la grosse énergie dont l'achat d'énergie électrique est déduit du revenu). Là où l'énergie est échangée entre centrales de différentes provinces, le coût de cette énergie n'est pas déduit des données provinciales. Il est cependant déduit du total national.

Les recettes moyennes par kwh sont influencées par plusieurs facteurs et n'indiquent pas toujours le coût relatif de services de même nature. Les moyennes du service ménager et de l'éclairage commercial portent sur des services plus ou moins identiques pour chaque centrale, mais, même dans ce cas, des facteurs comme l'emploi de poêles électriques, de chaufferettes, de chauffe-eau à taux fixe, la source d'approvisionnement, la capacité en énergie ferme, les débouchés d'énergie secondaire et les frais de génération, de transmission et de distribution ont tous des effets sur les taux. Les données du service ménager sont étudiées plus en détail à la fin du présent texte. Tel qu'on s'y attend, les centrales du Québec, grâce à leurs très fortes ventes aux moulins de pulpe et de papier, aux usines d'aluminium et à leurs ventes en gros à l'Ontario, etc., accusent une proportion des recettes provenant du service ménager plus faible que dans toute autre centrale du pays, sauf celles du Yukon et des Territoires du Nord-Ouest, bien que le revenu déclaré en dollars soit plus élevé que celui de toute autre province, sauf l'Ontario. Toutes les pertes de transmission sont entrées dans le calcul des recettes moyennes totales par kwh, la consommation, dans le cas de ces services, étant mesurée à l'aide des compteurs de courant chez les consommateurs. Le revenu moyen par kwh consommé dans chaque province est celui qui est perçu du consommateur définitif dans chacune, plus les recettes perçues pour l'énergie exportée de la province, le tout divisé par le total des kwh ainsi vendus, y compris les pertes de transmission. Les recettes moyennes par kwh du service ménager sont soumises aux effets de la consommation par usager et des quantités relatives utilisées pour l'éclairage, la cuisson et le chauffage de l'eau, etc., souvent des taux différents s'appliquent à ces divers services. Dans la plupart des municipalités, quand la consommation augmente, le coût moyen par kwh au consommateur diminue. Aussi, là où il y a des taux fixes pour les chauffe-eau, le coût moyen par kwh de tous les services ménagers est réduit et, à mesure qu'augmente le nombre de chauffe-eau à taux fixe, la moyenne pour la municipalité ou la province diminue, à moins que les taux n'augmentent dans les autres services. Le revenu moyen de 1.65 cents par kwh pour tout le service ménager (ou de 1.57 cents si l'on exclut le service agricole) se compare à la moyenne de 2.77 cents aux États-Unis qui surpasse de près de 68 p.100 celle du Canada. Environ 74 p.100 de la production d'énergie des États-Unis en 1952 s'est faite au moyen de moteurs à vapeur ou à combustion interne, en comparaison de 4 p.100 seulement au Canada. Les recettes moyennes par HP et par kVa dépendent des catégories de services et de leur importance relative dans chaque province. Les centrales du Québec vendent de fortes quantités d'énergie aux distributeurs de l'Ontario. Pour établir les moyennes, on a ajouté aux capacités indiquées au tableau 12 un HP pour chaque 4,576 kwh importés du Québec et un kVa pour chaque 6,136 kwh. Ce n'est là qu'une estimation de l'outillage, estimation fondée sur les contrats de la Commission hydroélectrique d'Ontario

is only an estimate of the equipment and was based on the Ontario Hydro-Electric Power Commission's contracts with Quebec companies which call for 88 kilowatt hours per week for each horsepower purchased. It is probable this output may be a little too high for all the power imported from Quebec, and consequently the divisors are too small and the average revenues may be too high. This is also true in classes where the generating equipment is credited to other industries. However, it is not likely the errors are large and the adjusted averages are more nearly comparable with the averages for the other provinces than the unadjusted averages as shown in reports previous to 1936. The imports into other provinces are relatively so small that their effects on the averages would be negligible.

Provincial and municipal taxes on domestic bills, where imposed, have not been included as either revenue or expenses. In Quebec a 2 p.c. provincial tax was in effect while in Saskatchewan and British Columbia a sales tax of 3 p.c. was collected. (For further details see "Cost of Electricity for Domestic Service, etc. 1952" published by D.B.S.)

TABLE 4 — (pages 24-25). Expenses

This table includes only the expense items, (1) salaries and wages, (2) fuel, (3) taxes and (4) cost of purchased power. The last is an intra-industry expense and might be omitted from the expenses of the industry as a whole. It shows, however, the extent of purchases of power by the different groups of stations. The cost of power item includes the cost to municipalities receiving their supply from provincial commissions as well as the interchange of power between generating stations and also between generating and non-generating. As explained above, the sales taxes on domestic bills have not been included in the taxes given in this table.

Reported Taxes

To supplement Table 4, the details of taxes reported by commercial and municipal stations follow below. (See text on following page).

avec les compagnies du Québec. Ces contrats exigent 88 kwh par semaine pour chaque HP acheté. Il est probable que cette production est un peu trop élevée pour le total de l'énergie achetée du Québec; aussi, les diviseurs sont-ils trop petits et les recettes moyennes peuvent être trop fortes. La même chose peut se produire dans les catégories où l'outillage générateur est porté au compte d'autres industries. Toutefois, il est peu probable que les erreurs soient importantes et les moyennes ajustées se comparent de plus près aux moyennes des autres provinces que celles non ajustées qui sont données dans les rapports antérieurs à 1936. Les importations des autres provinces sont relativement si petites que leur portée sur les moyennes serait négligeable.

Les taxes provinciales et municipales sur les comptes du service ménager, là où il s'en trouve, ne sont pas comprises dans les recettes, ni dans les dépenses. Au Québec, il y avait une taxe provinciale de 2 p.100 en 1952 et en Saskatchewan, une taxe de vente de 3 p.100. (Pour de plus amples détails, prière de consulter la publication du B.F.S. "Cost of Electricity for Domestic Service, etc., 1952").

TABLEAU 4 — (pages 24-25). Dépenses

Ce tableau ne comprend que les postes de dépenses suivants: 1) salaires et gages; 2) combustible; 3) taxes; 4) coût de l'énergie achetée. Ce dernier poste est une dépense interne de l'industrie et peut être omis des dépenses globales de l'industrie. Il indique cependant l'étendue des achats d'énergie par les différents groupes de centrales. Le coût de l'énergie comprend ce qu'il en coûte aux municipalités pour obtenir leur approvisionnement des commissions provinciales, de même que l'échange d'énergie entre les centrales génératrices et aussi entre les génératrices et les non-génératrices. Tel qu'il est expliqué plus haut, les taxes de vente sur les comptes ménagers ne sont pas comprises dans les chiffres donnés au présent tableau.

Taxes déclarées

Comme supplément au tableau 4, le détail des taxes déclarées par les centrales commerciales et municipales est donné ci-après. (Voir texte à la page suivante).

Reported Taxes, 1952

Taxes déclarées, 1952

Province	Commercial Stations Centrales commerciales				Municipal or Publicly-Owned Stations Centrales municipales ou publiques			
	Municipal Taxes municipales	Provincial Taxes provinciales	Federal Taxes fédérales	Total Taxes totales	Municipal Taxes municipales	Provincial Taxes provinciales	Federal Taxes fédérales	Total Taxes totales
Newfoundland	27,836	1,476	437,321	466,633	—	—	—	—
Prince Edward Island	40,961	200	113,127	154,288	—	—	—	—
Nova Scotia	649,438	7,686	1,255,877	1,913,001	97,245	1,297	3,656	102,198
New Brunswick	104,386	22,604	162,955	289,945	1,364	1,837	2,196	5,397
Quebec	3,413,770	5,644,488	11,668,090	20,726,348	789,388	3,389,537	150,795	4,329,720
Ontario	600,489	13,054	1,505,852	2,119,395	1,270,324	155,077	1,185,484	2,610,885
Manitoba	204,009	3,295	1,852,366	2,059,670	189,038	—	30,859	219,897
Saskatchewan	50,742	411	262,931	314,084	117,073	—	—	117,073
Alberta	102,440	7,823	2,408,844	2,519,107	378,734	—	4,522	383,256
British Columbia	796,103	631,254	7,509,216	8,936,573	107,281	7,170	162	114,613
Yukon and Northwest Territories	3,156	903	23,607	27,666	—	—	469	469
Total	5,993,330	6,333,194	27,200,186	39,526,710	2,950,447	3,554,918	1,378,143	7,883,508
Total—Commercial stations — Centrales commerciales	5,993,330	6,333,194	27,200,186	39,526,710				
Total—Municipal stations — Centrales municipales	2,950,447	3,554,918	1,378,143	7,883,508				
Total	8,943,777	9,888,112	28,578,329	47,410,218				

In cases, where the station absorbed the sales taxes, are such taxes included. Water rentals, also, are excluded. The Federal Unemployment Insurance Tax did not apply generally to utility employees until September 1, 1943, but apparently more stations than previously included the employer payments as a Federal tax in 1952. Similarly, all stations did not include under taxes, the federal and provincial taxes on gasoline used by their vehicles, etc. It is common practice to treat sales tax as part of the cost of the commodity. The Federal tax included income and excess profits tax, tax on exports of electricity, and the two mentioned above. The greater part of the municipal tax paid by municipal stations, was tax payments continued by the Ontario Hydro-Electric Commission on plants acquired from commercial or privately owned stations, and in Quebec export taxes and other taxes paid by the Quebec Hydro-Electric Commission, principally to the City of Montreal. In addition, the Quebec Commission was obligated to contribute \$2,240,000 to the provincial Education Fund, which item was not reported as a tax until 1947. Total taxes reported by the industry during 1952, including the contribution of Quebec Hydro, were \$47,410,218. Commercial stations paid about 83 p.c. of the tax total while securing under 43 p.c. of total revenues for the industry.

TABLE 5 -- (pages 26-27). Number of Customers

As outlined under Table 3, stations report a segregation of customers into seven classes, but in the past many stations included farm customers with domestic customers, and in the Bureau's reports all customers in these two classes consequently were combined under "Domestic Customers". Following is a table giving the farm customers as reported, together with the respective consumptions and revenues received from them. Such revenues do not include taxes paid by the consumer, as previously explained. Due to the increasing activity in rural electrification, it is probable that current data are more comprehensive than previously reported. Farm customers added during 1952 totalled 23,525 and the total at (concluded on next page).

Ces taxes ne sont incluses que dans quelques cas ou la centrale a absorbé la taxe de vente. La location d'eau, aussi, est exclue. La taxe fédérale d'assurance-chômage ne s'applique pas de façon générale à tous les employés des services d'utilité publique depuis le 1^{er} septembre 1943, mais il semble que plus de centrales qu'auparavant ont inclus en 1950 la participation d'employeur dans les taxes fédérales. De même, les centrales n'ont pas toutes inscrit au poste des taxes les impôts fédéraux et provinciaux sur l'essence utilisée par leurs véhicules, etc. Il est de pratique courante de considérer les taxes de vente comme étant une partie du coût du service. La taxe fédérale comprend les impôts sur le revenu et sur l'excédent de bénéfices, les droits d'exportation de l'électricité et les deux autres mentionnées plus haut. La majeure partie de la taxe municipale payée par les centrales municipales était des versements qu'a continué de faire la Commission hydroélectrique d'Ontario pour des centrales acquises d'entreprises privées ou commerciales et, au Québec, des droits d'exportation et autres taxes payés par la Commission hydroélectrique du Québec à la ville de Montréal surtout. De plus, la commission québécoise a été obligée de verser \$2,240,000 au Fonds provincial pour l'enseignement, article qui ne fut jamais déclaré comme taxe avant 1947. Les taxes globales déclarées par l'industrie en 1952, y compris la contribution de l'Hydro-Québec, se sont chiffrées par \$47,410,218. Les centrales commerciales ont payé environ 83 p.100 de ce total, tandis qu'elles ont perçu moins de 43 p.100 des recettes totales de l'industrie.

TABLEAU 5 -- (pages 26-27). Nombre d'usagers

Tel qu'on l'a souligné dans l'explication du tableau 3, les centrales font, dans leur rapport, la distinction entre sept catégories d'usagers, mais comme dans le passé plusieurs centrales comptaient les usagers agricoles avec ceux du service ménager, tous les usagers de ces deux catégories ont été réunis sous le titre d'usagers ménagers dans les rapports du Bureau. On donne au tableau suivant le nombre d'usagers agricoles tel qu'il a été déclaré, de même que la consommation respective par province et les recettes perçues d'eux. Ces recettes ne comprennent pas les taxes payées par le consommateur, comme il fut expliqué plus haut. Devant l'activité croissante de l'électrification rurale, il est probable que les données présentes (voir fin à la page suivante).

Farm Service, 1952
Service agricole, 1952

Province	Customers Usagers	Kilowatt Hours Consumed Kwh. consommés	Revenue Recettes	Kw. Hrs. per Customer Kwh. par usager	Average ¹ Annual Bill Compte annuel moyen ¹	Revenue ¹ per Kw. Hr. Recettes par kwh. ¹	P.C. of Total Farm Service Consumption Proportion de la consommation totale
		(000)	\$		\$	¢	%
Prince Edward Island	3,769	3,025	250,617	803	66.49	8.3	0.37
Nova Scotia	20,560	14,735	664,314	717	32.31	4.5	1.79
New Brunswick	36,354 ²	30,710	1,824,564	845	50.19	5.9	3.73
Quebec	95,397	116,873	3,535,841	1,225	37.06	3.0	14.20
Ontario	133,409	480,894	9,372,808	3,605	70.26	1.9	58.41
Manitoba	29,623	78,963	2,156,227	2,666	72.79	2.7	9.59
Saskatchewan	8,591	13,117	705,491	1,527	82.12	5.4	1.59
Alberta	13,818	37,960	1,024,527	2,747	74.14	2.7	4.61
British Columbia	18,349	47,048	1,081,986	2,564	58.97	2.3	5.71
Canada	359,870	823,325	20,616,375	2,288	57.29	2.5	100.00

1. Federal, Provincial and Municipal taxes on the electricity purchased are not included. — Sans les taxes fédérales, provinciales et municipales sur l'électricité achetée.

2. Revised basis, not comparable with years previous to 1948. — Base rectifiée: non comparable aux années antérieures à 1948.

Note: No farm service reported separately in Yukon and North West Territories or Newfoundland. Some central electric stations do not keep separate records for farm service and estimated figures vary considerably from year to year. This may explain the drop in the reported number of farm customers in Prince Edward Island and in Nova Scotia in 1952. — Nota: Pas de rapport séparé pour le service agricole au Yukon, dans les Territoires du Nord-Ouest et à Terre-Neuve. Certaines centrales ne tiennent pas un compte séparé du service agricole, d'où la forte variation annuelle des chiffres estimatifs. Cela peut expliquer la baisse du nombre d'usagers agricoles en Île-du-Prince-Édouard et en Nouvelle-Écosse en 1952.

359,870 was up 7 p.c. over 1951. Farm and residential services are combined under "Domestic" in tables 2, 4, 7 and 12 as in previous years for comparative purposes. The relatively large number of farm customers and the low average revenue per kilowatt hour in Ontario reflects the assistance given by the Ontario Government to this class of service. The number of farm customers in Ontario for years previous to 1944 included rural customers in hamlets. With 630,000 occupied farm dwellings in Canada (on the 1951 Census basis) the total of 359,870 farm customers indicates that 57 p.c. enjoyed the benefits of power line service at the end of 1952 compared with about 90 p.c. of the farms in the United States. However, many Canadian farms generate their own electricity by the use of engines, windmills, etc. The continued extension of farm electrification, represents a great potential market for electrical appliances and equipment, as well as power. Between 1941 and 1951 the number of gasoline engines used for power purposes on Canadian farms increased 9 per cent from 168,225 to 183,041. At the same time the number of electric motors rose 238 per cent from 58,192 to 196,681. Electricity is among the cheapest, most versatile and efficient help available to the farmer.

TABLE 6 — (pages 28-29), Domestic Service, 1939-1952

This table illustrates the steady growth in the number of domestic customers, total consumption, revenue, average consumption per customer and in the annual average bill over the period from 1939 to 1952, for Canada and in each province. Contrasting with these advances in the industry is the noteworthy decrease in revenue per kilowatt hour—a unique exception in an era of steeply rising prices. This is confirmed by the annual index of cost of electricity for domestic service which dropped from 103.3 in 1939 (on the 1935-39 base of 100) to 95.1 in 1952. However, higher costs per unit of new installation, reconversion in Ontario, and increased costs of wages and materials have forced higher rate tariffs since 1949.

In all provinces the number of domestic customers, including rural, registered encouraging gains during this period, the percentage increases ranging from 69.2 p.c. in Ontario to 132.0 p.c. in Alberta. The growing use of electricity is illustrated by the considerable advance in the average kilowatt hours purchased per customer with the Canada total at 2,809 kw. hrs. for 1952 compared with only 1,423 in 1939—a rise of over 97 p.c. Ontario's consumption rose about 100 p.c. per domestic customer from an average of 1,909 to 3,810 kw. hrs., but the average bill increased only 75 p.c. The rate of consumption also climbed steadily in all other provinces with the Maritimes, Quebec, Alberta and British Columbia registering large increases. Revenues from domestic sales totalled \$144,650,270 in 1952, 230.3 p.c. or \$100,856,788 above the \$43,793,482 reported for 1939 and \$16,990,262 more than in 1951. The average annual consumption per domestic customer varied widely between provinces, Manitoba still leading with a 1952 average of 4,868 kw. hrs. due mainly to flat rate water heaters, while New Brunswick and Prince Edward Island showed the lowest averages. Ontario was second with 3,810 kw. hrs. followed by British Columbia with 2,607 and Quebec with 1,952 kw. hrs.

Compared with the spectacular growth in consumption, the annual average bills registered moderate year to year increases over the past thirteen years. The 1952 average bill stood at \$46.48 against \$26.97 for 1939, an increase of 72 p.c., whereas consumption per customer rose 97 p.c. Provincial bills ranged from \$61.53 for British Columbia to \$36.03 for Quebec while average domestic service revenue per kilowatt hour in Canada was 1.65 cents in 1952, the same as in 1951 but 13 p.c. under the 1.9 cents per kilowatt hour received in 1939. The bills exclude federal, provincial or municipal taxes on electricity purchased. Prince Edward

seront plus complètes que celles présentées antérieurement. Les usagers agricoles ont augmenté de 23,525 en 1952 pour se chiffrer en tout à 359,870, gain de 7 p.100 sur 1951. Les services agricoles et résidentiels sont réunis sous le titre de service ménager aux tableaux 2, 4, 7 et 12, tout comme pour les années passées afin de faciliter la comparaison. Le nombre relativement élevé d'usagers agricoles et la basse moyenne des recettes par kwh en Ontario reflètent l'aide du Gouvernement d'Ontario à cette catégorie de service. Le nombre d'usagers agricoles en Ontario comprenait, avant 1944, les usagers ruraux habitant les hameaux. D'après le recensement de 1951, il y a 630,000 maisons de ferme habitées au Canada; de ce nombre, 359,870 ou 57 p.100 jouissaient du service d'électricité à la fin de 1952, en comparaison de 90 p.100 des fermes aux États-Unis. Cependant, plusieurs fermes canadiennes produisent leur propre électricité au moyen de moteurs, de moulins à vent, etc. L'expansion constante de l'électrification rurale représente un grand débouché potentiel pour le commerce d'appareils et d'outillage électriques, de même que pour la vente d'énergie. De 1941 à 1951, le nombre de moteurs à essence utilisés pour la production de l'énergie dans les fermes du Canada a augmenté de 9 p.100 ou de 168,225 à 183,041. En même temps, le nombre de moteurs électriques est passé de 58,192 à 196,681, augmentation de 238 p.100. L'électricité est à peu près l'aide le meilleur marché, le plus souple et le plus efficace que peut obtenir l'agriculteur.

TABLEAU 6 — (pages 28-29), Service ménager, 1939-1952

Le tableau 6 démontre la courbe constante de l'augmentation des usagers domestiques, de la consommation totale, des recettes, de la consommation moyenne par usager et du compte annuel moyen durant la période 1939-1952. Les données s'appliquent au Canada en général et aux provinces en particulier. En contraste frappant avec ces augmentations vient la diminution marquée du revenu moyen par kwh, exception unique dans cette période où tous les prix s'élèvent abruptement. L'indice annuel du coût de l'électricité au service ménager confirme cette réduction en tombant de 103.3 en 1939 (sur la base de 100 en 1935-1939) à 95.1 en 1952. Toutefois, le coût plus élevé de l'aménagement de chaque nouvelle unité, la reconversion du courant en Ontario et l'accroissement des salaires et du coût des matières premières ont fait augmenter les taux depuis 1949.

Dans toutes les provinces, le nombre d'usagers domestiques, y compris ceux des régions rurales, a accusé des gains encourageants durant cette période, la proportion de l'augmentation variant de 69.2 p.100 en Ontario à 132 p.100 en Alberta. L'utilisation croissante de l'électricité est démontrée par la forte avance de la consommation moyenne de kwh par usager. Cette consommation est passée de 1,423 kwh en 1939 à 2,809 en 1952, soit une augmentation de plus de 97 p.100. La consommation moyenne des usagers d'Ontario a augmenté d'environ 100 p.100, ou de 1,909 à 3,810 kwh, mais le compte moyen ne s'est élevé que de 75 p.100. Le taux de la consommation a aussi avancé constamment dans toutes les autres provinces, particulièrement dans les Maritimes, au Québec, en Alberta et en Colombie-Britannique. Les recettes provenant des ventes du service ménager se sont chiffrées par \$144,650,270 en 1952, 230.3 p.100 ou \$100,856,788 de plus qu'en 1939 (\$43,793,482) et \$16,990,262 de plus qu'en 1951. La consommation annuelle moyenne par usager ménager varie beaucoup d'une province à l'autre. Le Manitoba vient encore en tête en 1952 avec une moyenne de 4,868 kwh à cause du taux fixe imposé au fonctionnement des chauffe-eau électriques, tandis que le Nouveau-Brunswick et l'Île-du-Prince-Édouard accusent les moyennes les plus faibles. L'Ontario se classe deuxième avec 3,810 kwh, suivie de la Colombie-Britannique avec 2,607 et du Québec avec 1,952 kwh.

Comparé à l'accroissement spectaculaire de la consommation, le compte annuel moyen a enregistré des gains annuels modérés ces treize dernières années. Le compte moyen s'établissait à \$46.48 en 1952, contre \$26.97 en 1939, augmentation de 72 p.100, tandis que la consommation moyenne par usager s'est accrue de 97 p.100. Le compte moyen, par province, variait de \$61.53 en Colombie-Britannique à \$36.03 au Québec, tandis que le revenu moyen du service ménager par kwh s'établissait, pour l'ensemble du pays, à 1.65 cents en 1952, soit au même niveau qu'en 1951, mais de 13 p.100 inférieur à celui de 1.9 cents par kwh établi en 1939. Les comptes excluent

Island, New Brunswick, Saskatchewan and Alberta average revenues are affected by the higher costs of thermal generation from coal, etc., while the Manitoba revenue is lowest due to the widespread use of flat rate water heaters.

A comparison with other countries shows that Canadians enjoy one of the lowest rates per kilowatt hour in the world. In the United States the average revenue per kilowatt hour sold to residential or domestic customers averaged 2.77 cents in 1952 against 1.65 cents per kilowatt hour in Canada. Commercial and industrial sales in the United States fetched 1.4 cents per kilowatt hour compared with 0.6 cents for Canada in the same year.

TABLE 7 — (pages 30-31). Employees

There was a decrease of 229 employees¹ during the year with employment up for all provinces, excepting Prince Edward Island and Ontario¹. The total at 47,238 included 12,534 in commercial or privately owned and 34,704 employees in municipal or publicly owned stations. Some 39,385 were employed in generating stations and 7,853 in non-generating or distributive organizations. Employment totals are based on the average number of employees per month.

On a provincial basis, 54.82 p.c. of the national total were employed in Ontario, 19.08 p.c. in Quebec, 6.38 p.c. in British Columbia, 0.14 p.c. in Yukon-N.W.T., 11.98 p.c. on the Prairies and 7.60 p.c. in the Atlantic Provinces. Some 15,000 employees were on salaries while 32,238 were wage-earners. Among the generating stations, hydraulic operations required 35,885 employees, while fuel stations producing but 2.7 p.c. of the electric energy generated during 1952 employed 3,500 persons, indicating one reason for higher unit costs in thermal plants.

TABLE 8 — (pages 32-33). Pole Line Mileage

Transmission and distribution lines are combined in this table and a division has been made showing the mileage on steel towers and poles, wooden poles, concrete poles and in submarine and underground cables. The last includes systems in cities and lines laid in trenches along the roadside serving rural customers. The steel towers and steel poles are used almost exclusively for high voltage transmission lines and only Quebec, Ontario and Manitoba had extensive mileages. Pole-line mileage increased by almost 20,000 miles in 1952, the Prairie Provinces accounting for over 13,000 miles of the increase as their rural electrification programmes went ahead progressively.

TABLES 9, 10 and 11 — (pages 32-37). Equipment

The equipment of the power houses has been divided into two classes: main plant, and auxiliary, or standby equipment. The auxiliary plant equipment includes all steam engines and turbines and internal combustion engines and dynamos driven by them in conjunction with hydro-electric stations and all the equipment in non-generating stations. All other equipment is classed as main plant equipment and includes water wheels and turbines and generators driven by them in hydro-electric stations and all equipment in those plants using thermal equipment only, which are not auxiliary to a hydro-electric system. It is quite possible that some of the fuel stations have equipment held as standby equipment for use in emergencies only or for occasional peaks and also that some hydraulic stations have hydraulic equipment similarly held, but it is all classified as main plant equipment. Although certain thermal electric plants, auxiliary to hydro-electric generating systems, operate full time, most of the hydro-electric stations use their steam equipment only during

les taxes fédérales, provinciales et municipales sur l'électricité achetée. L'Île-du-Prince-Édouard, le Nouveau-Brunswick, la Saskatchewan et l'Alberta ont des recettes moyennes plus élevées qu'ailleurs à cause du coût plus haut de la production thermique au moyen du charbon, etc., tandis que le Manitoba a la plus faible moyenne à cause de l'usage bien courant de chauffe-eaux à taux fixes.

Comparés aux habitants des autres pays, les Canadiens jouissent d'un des taux par kwh les plus bas au monde. Aux États-Unis, le revenu moyen par kwh vendu aux usagers ménagers ou résidentiels s'est établi à 2.77 cents en 1952, contre 1.65 cents au Canada. Les ventes commerciales et industrielles aux États-Unis ont donné 1.4 cents par kwh, contre 0.6 cent au Canada durant la même année.

TABLEAU 7 — (pages 30-31). Employés

L'industrie a réduit son personnel de 229 personnes¹ en 1952; cependant, toutes les provinces ont déclaré des augmentations de l'emploi, sauf l'Île-du-Prince-Édouard et l'Ontario¹. L'emploi total, 47,238 personnes, comprenait 12,534 employés des centrales commerciales ou privées et 34,704 employés des centrales municipales ou publiques. Les centrales génératrices en employaient 39,385 et les centrales non génératrices ou compagnies de distribution, 7,853. Les totaux de l'emploi sont fondés sur le nombre moyen d'employés chaque mois.

Par province, 54.82 p.100 du total national étaient employés en Ontario, 19.08 p.100 au Québec, 6.38 p.100 en Colombie-Britannique, 0.4 p.100 au Yukon et dans les Territoires du Nord-Ouest, 11.98 p.100 dans les Prairies et 7.60 p.100 dans les provinces de l'Atlantique. Quelque 15,000 employés étaient à salaire et 32,238, à gages. Chez les centrales génératrices, celles qui fonctionnent à l'eau employaient 35,885 personnes, tandis que celles qui utilisent du combustible en employaient 3,500, bien qu'elles n'aient fourni que 2.7 p.100 de la production nationale d'énergie électrique. C'est là une des raisons du coût plus élevé de l'énergie produite par les centrales thermiques.

TABLEAU 8 — (pages 32-33). Longueur (en milles) des lignes sur poteaux

Les lignes de transmission et de distribution sont réunies au tableau 8. On les a divisées de façon à donner la longueur en milles des lignes sur tours et poteaux d'acier, sur poteaux de bois et sur poteaux de béton, de même que la longueur des câbles sous-marins et souterrains. Ces derniers comprennent les lignes urbaines rurales enfouies sous terre. Les tours et les poteaux d'acier servent presque exclusivement aux lignes de transmission à haut voltage et seuls le Québec, l'Ontario et le Manitoba ont des réseaux vraiment longs. La longueur des lignes sur poteaux s'est accrue de près de 20,000 milles en 1952, dont plus de 13,000 dans les seules provinces des Prairies où les programmes d'électrification rurale ont progressé rapidement.

TABLEAUX 9, 10 et 11 — (pages 32-37). Outillage

L'outillage des centrales électriques a été divisé en deux catégories: outillage de centrales principales et outillage de centrales auxiliaires ou de réserve. L'outillage de centrales auxiliaires comprend tous les moteurs et turbines à vapeur et les moteurs à combustion interne et les dynamos mis en action par ces moteurs par rapport aux centrales hydroélectriques et à tout l'outillage des centrales non génératrices. Tout autre outillage est classé comme faisant partie des centrales principales et comprend les roues et turbines hydrauliques et les générateurs mis en action par elles dans les centrales hydro-électriques et tout l'outillage des centrales exclusivement thermiques qui ne sont pas de réserve pour les systèmes hydro-électriques. Il est fort possible que certaines des centrales fonctionnant au combustible soient pourvues d'outillage de réserve en cas d'urgence seulement ou en cas de période de pointe, et aussi, que certaines centrales hydrauliques possèdent un outillage hydraulique destiné à ces mêmes fins, mais le tout est classé comme outillage de centrales principales. Bien

1. Revised for 1951.

1. D'après les chiffres rectifiés de 1951.

periods of low water and during periods of heavy demand. The greater part of it is generally held in reserve for emergencies, only 778,050,000 kilowatt hours being generated during the year by hydraulic auxiliary equipment. As mentioned on page 00, equipment which is not used primarily for the central electric station industry has been omitted from the current compilation.

TABLE 12 — (pages 38-39). Electric Energy Generated

The electric energy generated is the output at the power plants less power used for the operation of the plants, and consequently includes all transformer and line losses entailed in delivering power to the ultimate consumers. The kva. capacities shown were the rated dynamo capacities at the close of the year of both main and auxiliary plants of generating stations. The ratios indicate the relative position of the supply to the demand on a kilowatt hour basis. These ratios are affected by other factors; one is the relationship of installed capacity to water available for hydraulic plants. This changes from month to month and from year to year, while another factor is the production and sale of secondary power. A market for secondary power makes possible a greater production of kilowatt hours per unit of capacity than a market of firm power only for the same installation. A few stations have found a market for their off-peak and surplus power by selling it for use in electric boilers and this class of sale grew quite rapidly, especially up to 1937. After the outbreak of the war the supply of surplus power was greatly reduced and, with war industries working twenty-four hours per day, the supply of off-peak power was also sharply curtailed so that sales of secondary power showed a steady decrease up to the middle of 1943. However, they then began to increase and continued the upward trend throughout 1944, 1945 and 1946. Subsequent to August, 1946, declining amounts of secondary power were available and production, as reported monthly, dropped from 9,141,804,000 in 1946 to 6,233,861,000 kilowatt hours in 1947, and to a low of 2,610,308,000 in 1948, but recovered to 4,597,636,000 in 1952 as supply conditions improved with the addition of new plants and heavier snow and rainfall. It dropped slightly in 1953 to 4,276,671,000 kilowatt hours.

TABLE 13 — (pages 40-41). Fuel

Fuel used was principally domestic or local coal, oil and manufactured gas with stations in the Maritimes, Saskatchewan and Alberta, the largest users. The value of Canadian bituminous and sub-bituminous coal was 51.6 p.c. of the total fuel bill; fuel oil and diesel oil accounted for 28.5 p.c., and lignite coal, gasoline, gas, etc., the remainder. Fuel consumed was valued at \$13,420,563 compared with \$11,000,401 in 1951. All coal consumed cost an average of \$6.65 per ton as against \$5.99 one year earlier, while fuel and diesel oil rose from 9.39 cents to 10.83 cents a gallon. The consumption of natural gas in Alberta dropped from 6,339,040,000 cu. ft. in 1951 to 4,564,383,000 cu. ft. in 1952, a decrease of 28 per cent, as hydraulic production increased by over 50 p.c. Coal costs per ton increased 123 p.c. since 1939 and oil about 58 p.c. per gallon. The use of manufactured gas dropped in Nova Scotia from 10,222,940 thousand cu. ft. in 1951 to 7,261,303 thousand cu. ft. in 1952.

In the following table, data on domestic customers are brought together and analysed. As might be expected the areas with relatively high percentages of rural populations, Newfoundland, Prince Edward Island, Saskatchewan, Alberta and the Yukon—N.W.T. show the lowest number of customers per 100 population. The average cost per kilowatt hour is greatly affected by the nature of the use, Manitoba's low unit cost and high average consumption are influenced by flat rate water heaters and extensive use for cooking in Winnipeg;

que certaines centrales thermiques, auxiliaires aux systèmes hydroélectriques, fonctionnent continuellement, la plupart des centrales hydroélectriques ne se servent de leur outillage à vapeur qu'en cas de manque d'eau ou durant les périodes où la demande est forte. La majeure partie de cet outillage est gardé, de façon générale, pour les cas d'urgence et seulement 778,050,000 kwh ont été produits durant l'année par l'outillage hydraulique auxiliaire. Comme il est mentionné à la page 00, l'outillage qui ne sert pas d'abord à l'industrie des centrales électriques n'est pas compris dans les données du présent rapport.

TABLEAU 12 — (pages 38-39). Énergie électrique produite

L'énergie électrique produite est la production totale moins l'énergie utilisée pour le fonctionnement de la centrale; elle comprend donc toutes les pertes de transmission encourues dans la livraison de l'énergie au consommateur définitif. La capacité en kVa indiquée ici est la capacité établie des dynamos à la fin de l'année, tant dans les unités principales qu'auxiliaires des centrales génératrices. Les proportions données indiquent la situation relative de l'approvisionnement et de la demande sur une base de kwh. D'autres facteurs influent sur ces proportions, dont la relation entre la capacité de l'aménagement et la quantité d'eau disponible aux centrales hydrauliques. Cela change d'un mois à l'autre et d'une année à l'autre. Il faut tenir compte aussi de la production et des ventes d'énergie secondaire. Tout débouché d'énergie secondaire rend possible une plus grande production de kwh par unité de capacité qu'un marché d'énergie ferme seulement dans une même centrale. Quelques centrales ont trouvé un débouché pour leur production hors pointe et excédentaire dans l'alimentation des chaudières électriques; cette catégorie de vente a connu une expansion très rapide, surtout jusqu'en 1937. Après le début de la guerre, le surplus d'énergie disponible a été fort réduit et, les industries de guerre travaillant 24 heures par jour, l'approvisionnement d'énergie excédant aux heures calmes a beaucoup diminué, d'où la constante augmentation des ventes d'énergie secondaire jusqu'au milieu de 1943. Cependant, ces industries ont alors commencé à se multiplier, accroissant encore continuellement en 1944, 1945 et 1946 les ventes d'énergie secondaire. Après août 1946, les quantités d'énergie secondaire disponibles se sont mises à baisser, comme l'indiquaient les rapports mensuels, passant de 9,141,804,000 à 6,233,861,000 kwh en 1947 et à 2,610,308,000 en 1948. Toutefois, elles ont accusé un nouveau regain pour atteindre 4,597,636,000 kwh en 1952 quand la situation des approvisionnements s'est améliorée grâce à l'aménagement de nouvelles centrales et aux chutes accrues de neige et de pluie. En 1953, elles ont fléchi légèrement à 4,276,671,000 kwh.

TABLEAU 13 — (pages 40-41). Combustible

Le combustible utilisé fut surtout le charbon domestique ou local, l'huile et le gaz manufacturé, les principaux usagers furent les centrales des Maritimes, de la Saskatchewan et de l'Alberta. La valeur du charbon bitumineux et de la houille maigre canadiens utilisés par les centrales représentait 51.6 p.100 de la dépense totale pour le combustible; l'huile de chauffage et l'huile à moteurs diesels ont été comptables de 28.5 p.100 du total et le charbon lignite, l'essence, le gaz, etc., du reste. Le coût moyen de tout le charbon utilisé a été de \$6.65 la tonne, contre 5.99 un an plus tôt, tandis que le coût moyen de l'huile de chauffage et de l'huile à moteurs diesels a avancé de 9.39 à 10.83 cents le gallon. La consommation de gaz naturel en Alberta est tombée de 6,339,040,000 pieds cubes en 1951 à 4,564,383,000 en 1952, ou de 28 p.100, quand la production hydraulique a augmenté de plus de 50 p.100. Le coût du charbon a augmenté de 123 p.100 depuis 1939 et celui de l'huile, de 58 p.100. L'utilisation du gaz manufacturé en Nouvelle-Écosse a baissé de 10,222,940,000 pieds cubes en 1951 à 7,261,303,000 en 1952.

Le tableau suivant présente la réunion et l'analyse des données sur les usagers ménagers. Comme on pouvait s'y attendre, les régions où la proportion de la population rurale est relativement élevée, c'est-à-dire Terre-Neuve, l'Île-du-Prince-Édouard, la Saskatchewan, l'Alberta, le Yukon et les Territoires du Nord-Ouest, comptent le moins d'usagers par 100 habitants. Le coût moyen du kwh est grandement influencé par l'usage qu'on en fait. Le coût peu élevé du kwh au Manitoba et la forte consommation moyenne sont le résultat du taux fixe de l'électri-

these induce high consumption per customer. There were also a large number of flat rate water heaters in Ontario. Further, where hydro-electric power is plentiful, the rates are generally low and the average consumption high. The very low percentage of total power used by domestic customers in Quebec is affected by large exports to Ontario and heavy consumption by pulp and paper, aluminium and other electric metallurgical plants. In the Yukon and Northwest Territories, the percentage used by domestic service is low, due to the large mining and smelting consumption relative to population.

During 1952 domestic customers in Ontario consumed 53.1 per cent of the total power used by all domestic customers in Canada, whereas the population of this province was less than a third of the total for the nation.

The average bills do not include federal, provincial and municipal sales taxes paid by the consumers.

cité vendue pour les chauffe-eau et de l'usage répandu de l'énergie pour la cuisson à Winnipeg. Cela entraîne une forte consommation moyenne par usager. L'Ontario comptait aussi un grand nombre de chauffe-eau utilisant l'énergie à taux fixe. De plus, là où l'énergie hydroélectrique abonde, les taux sont généralement bas et la consommation moyenne élevée. La très faible proportion de l'énergie totale utilisée par les usagers ménagers du Québec est affectée par les fortes exportations à l'Ontario et la grande quantité consommée par les usines de pulpe et de papier, d'aluminium et autres industries métallurgiques qui emploient l'électricité. Au Yukon et dans les Territoires du Nord-Ouest, la proportion d'électricité utilisée par le service ménager est basse à cause de la grande consommation des industries de la fonte et du raffinage des métaux par rapport à la population.

En 1952, les usagers ménagers de l'Ontario ont consommé 53.1 p.100 de l'énergie totale utilisée par tous les usagers ménagers du Canada, alors même que la population de cette province était moins du tiers de celle du pays.

Le compte moyen ne comprend pas les taxes de ventes fédérales, provinciales et municipales payées par les consommateurs.

Domestic Service¹, 1952Service ménager¹, 1952

Province	Customers — Usagers		Average Bill for Year — Compte moyen pour l'année	Average per Kilowatt Hour — Moyenne par kwh.	Average Annual Consumption		Consumption by Domestic Service	
	Total	Per 100 Population — Par 100 habitants			Per Customer — Par usager	Per Capita — Par habitant.	P.C. of Provincial Total ² — Proportion du total provincial ²	P.C. of National Total — Proportion du total national
			\$	¢	Kw. Hrs.	Kw. Hrs.		
Newfoundland	38,560	10.31	38.59	2.42	1,597	165	26.39	0.70
Prince Edward Island	10,669	10.36	63.59	5.68	1,120	116	33.32	0.14
Nova Scotia	136,175	20.85	41.93	3.01	1,393	291	19.80	2.17
New Brunswick	105,801	20.11	47.94	4.13	1,161	234	16.87	1.40
Quebec	860,891	20.63	36.03	1.85	1,952	403	6.35	19.23
Ontario	1,217,723	25.55	47.76	1.25	3,810	973	22.41	53.08
Manitoba	169,554	21.25	58.70	1.21	4,868	1,034	25.79	9.44
Saskatchewan	110,268	13.08	60.28	3.59	1,677	219	31.97	2.11
Alberta	158,359	16.33	45.05	3.06	1,473	240	19.91	2.67
British Columbia	302,339	25.24	61.53	2.36	2,607	658	28.17	9.02
Yukon and Northwest Territories	1,967	7.87	94.26	5.95	1,585	125	4.32	0.04
Canada	3,112,306	21.57	46.48	1.65	2,809	606	15.35	100.00

1. Includes Farm Customers. — Y compris les usagers agricoles.

2. Including line and transformer losses. — Y compris les pertes de transmission.

THE CENTRAL ELECTRIC STATIONS INDUSTRY

TABLE 1. Comparative Summary, 1939 - 1952

No.		1952	1951	1950	1949	1948
Electric Energy Generated:						
1	Total kilowatt hours (thousands).....	59,409,198	54,851,844	48,493,718	44,418,573	42,389,681
2	Commercial.....	32,883,227	30,471,042	28,432,404	26,731,889	25,697,293
3	Municipal.....	26,525,971	24,380,802	20,061,314	17,686,684	16,692,388
4	Generated by water.....	57,023,530	52,955,002	46,624,218	42,779,199	41,070,095
5	Generated by fuel.....	2,385,668	1,896,842	1,869,500	1,639,374	1,319,586
6	Exports to the United States(thousands kwh).....	2,493,210	2,375,522	1,925,867	1,756,752	1,743,108
7	Imports from the United States (thousands kwh).....	19,985	8,956	2,591	31,205	86,391
Electric Power Plants (Generating):						
8	Total.....	562	647	665	650	635
9	Hydraulic.....	344	357	348	341	309
10	Thermal.....	218	290	317	309	326
11	Commercial.....	337	377	395	391	393
12	Municipal.....	225	270	270	259	242
Pole Line Mileage:						
13	Total.....	190,316	170,582	151,726	135,329	113,411⁴
14	Commercial.....	66,774	59,885	54,745	49,086	41,251
15	Municipal.....	123,542	110,697	96,981	86,243	72,160
16	Generating.....	146,115	131,375	117,299	106,396	90,810
17	Non-generating.....	44,201	39,207	34,427	28,933	22,601
Revenue¹:						
18	Total.....\$	415,494,074	374,643,376	323,833,465	280,311,624	257,377,490
19	Commercial.....\$	177,615,066	160,149,599	141,771,226	129,481,120	119,032,951
20	Municipal.....\$	237,879,008	214,493,777	182,062,239	150,830,504	138,344,539
21	Generating.....\$	365,216,300	328,844,448	283,445,853	246,086,487	224,983,155
22	Non-generating.....\$	50,277,774	45,798,928	40,387,612	34,225,137	32,394,335
Expenses²:						
23	Total.....\$	328,253,100	297,854,199⁴	262,033,100⁴	205,130,467	180,210,931
24	Commercial.....\$	107,889,275	98,694,997	83,780,453	79,560,846	70,316,885
25	Municipal.....\$	220,363,823	199,159,202	178,252,647	125,569,621	109,894,046
26	Generating.....\$	232,465,217	211,851,528	183,519,706	136,881,078	120,889,466
27	Non-generating.....\$	95,787,883	86,002,671	78,513,394	68,249,389	59,321,465
Customers:						
28	Total.....	3,620,595	3,439,750	3,269,824	3,076,369	2,822,027
29	Domestic service ³	3,112,306	2,951,988	2,797,378	2,619,831	2,398,847
30	Commercial light.....	422,428	405,332	392,530	379,526	349,673
31	Power (small).....	62,660	61,322	60,700	58,600	56,210
32	Power (large).....	18,194	16,360	14,708	14,208	13,305
33	Power (municipal).....	1,147	1,091	1,013	964	890
34	Street lighting.....	3,860	3,657	3,495	3,240	3,102
35	Commercial stations.....	1,175,923	1,124,441	1,068,867	1,042,951	937,385
36	Municipal stations.....	2,444,672	2,315,309	2,200,957	2,033,418	1,884,642
37	Generating stations.....	2,339,291	2,216,173	2,089,726	1,934,639	1,741,055
38	Non-generating stations.....	1,281,304	1,223,577	1,180,098	1,141,730	1,080,972
Equipment in Generating Stations (Main plant only):						
39	Total Primary Power..... h.p.	13,341,198	12,781,610	11,703,161	10,637,798	10,038,541
40	In commercial stations..... h.p.	7,548,910	7,132,972	6,716,066	6,429,303	6,045,218
41	In municipal stations..... h.p.	5,792,288	5,648,638	4,987,095	4,208,495	3,993,323
42	Total Secondary Power..... kva.	11,149,048	10,564,161	9,725,393	8,890,292	8,379,039
43	In commercial stations..... kva.	6,327,327	5,924,456	5,600,662	5,404,088	5,064,811
44	In municipal stations..... kva.	4,821,721	4,639,705	4,124,731	3,486,204	3,314,228
Auxiliary Plant Equipment:						
45	Primary power..... h.p.	880,608	248,982	273,080	245,478	181,055
46	Secondary power..... kva.	705,207	215,920	234,824	213,410	135,470

Note. Data on Capital not collected after 1943, when the total was \$1,778,224,640.

1. Cost of power interchanged between stations excluded from revenue of purchasing stations (see page 11).

2. Includes wages, cost of power, fuel and taxes, but not other expenses.

3. Farm service is included with domestic service.

4. Revised. Expense figures from 1950 to 1952 not comparable with previous years.

TABLEAU 1. Résumé comparatif, 1939 - 1952

1947	1946	1945	1944	1939	No
Énergie électrique produite:					
43,424,799	41,736,987	40,130,054	40,598,779	28,338,030	Total kwh produits (milliers)..... 1
27,665,524	26,997,716	25,530,857	25,688,580	21,290,930	Par les centrales commerciales.....
15,759,275	14,739,271	14,599,197	14,910,199	7,047,100	Par les centrales municipales.....
42,273,167	40,692,395	39,131,020	39,553,352	27,829,017	Par l'eau.....
1,151,632	1,044,592	999,034	1,045,427	509,013	Par le combustible.....
2,066,487	2,481,631	2,646,435	2,585,311	1,908,756	Exportations d'électricité aux États-Unis (milliers kwh).....
53,037	9,527	15,916	14,097	666	Importations d'électricité des États-Unis (milliers kwh).....
Centrales électriques (génératrices):					
607	600	600	626	611	Total 8
310	305	302	320	313	Hydrauliques.....
297	295	298	306	298	Thermiques.....
377	397	392	424	427	Commerciales.....
230	203	208	202	184	Municipales.....
Lignes sur poteaux:					
98,530	89,231	83,178	80,073	72,132	Longueur totale 13
35,891	33,184	31,117	30,877	30,288	Centrales commerciales.....
62,639	56,047	52,061	49,196	41,844	Centrales municipales.....
79,761	71,936	66,694	63,665	57,084	Centrales génératrices.....
18,769	17,295	16,484	16,408	15,048	Centrales non génératrices.....
Recettes¹:					
243,705,976⁴	226,096,273	215,105,473	215,246,391	151,880,969	Total 18
114,639,557	108,668,772	101,672,511	104,986,232	92,535,049	Centrales commerciales.....
129,066,419	117,427,501	113,432,962	110,260,159	59,345,920	Centrales municipales.....
213,904,209	192,214,412	183,227,685	185,574,224	127,483,222	Centrales génératrices.....
29,801,767	33,881,861	31,877,788	29,672,167	24,397,747	Centrales non génératrices.....
Dépenses²:					
177,359,696⁴	156,708,176	135,104,091	131,289,947	91,982,372	Total 23
67,279,703	67,664,274	60,893,580	60,470,374	42,471,534	Centrales commerciales.....
110,079,993	89,043,902	74,210,511	70,819,573	49,510,838	Centrales municipales.....
122,714,865	100,708,844	83,336,610	79,913,496	51,570,137	Centrales génératrices.....
54,644,831	55,999,332	51,767,481	51,376,451	40,412,235	Centrales non génératrices.....
Abonnés:					
2,643,327	2,476,830	2,333,230	2,238,023	1,941,663	Total 28
2,246,253	2,104,549	1,987,360	1,906,452	1,623,672	Service ménager ³
326,988	306,592	285,402	273,451	262,590	Eclairag. commercial.....
53,604	50,254	46,955	45,284	43,896	Force motrice (petite).....
12,825	11,846	10,955	10,376	9,267	Énergie (grosse).....
838	887	—	—	—	Énergie (municipale).....
2,819	2,702	2,558	2,460	2,238	Eclairage des rues.....
870,408	826,091	766,554	753,239	889,418	Centrales commerciales.....
1,772,919	1,650,739	1,566,676	1,484,704	1,052,245	Centrales municipales.....
1,616,520	1,354,763	1,256,095	1,195,778	998,067	Centrales génératrices.....
1,026,807	1,122,067	1,077,135	1,042,245	943,596	Centrales non génératrices.....
Outillage dans les centrales génératrices (centrales principales seulement):					
9,601,157	9,825,459	9,666,947	9,713,791	7,607,122	Total, énergie primaire, h.p. 39
5,936,125	6,301,996	6,294,121	6,373,523	5,385,632	Dans les centrales commerciales, h.p.....
3,665,032	3,523,463	3,372,826	3,340,268	2,221,490	Dans les centrales municipales, h.p.....
7,984,488	8,162,896	8,035,767	8,073,864	6,435,416	Total, énergie secondaire, kva 42
4,950,862	5,233,480	5,227,037	5,290,874	4,654,745	Dans les centrales commerciales, kva.....
3,033,626	2,929,416	2,808,730	2,782,990	1,780,671	Dans les centrales municipales, kva.....
Outillage de centrales auxiliaires:					
184,930	176,253	173,312	185,117	194,139	Énergie primaire, h.p.....
154,199	149,462	146,556	157,866	165,785	Énergie secondaire, kva.....

Nota. Les données sur le capital n'ont pas été recueillies depuis 1943, alors que le total était de \$1,778,224,640.

1. Le coût de l'énergie échangée entre stations est exclu du revenu des stations en faisant l'achat (voir p. 11).

2. Incluent gages, coût de l'énergie, combustible et taxes, mais non les autres dépenses.

3. Le service agricole est inclus dans le service ménager.

4. Rectifié. Les chiffres de 1950 à 1952 ne sont pas comparables à ceux des années précédentes.

TABLE 2. Electric Power Plants, 1952

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
	Generating Stations (main plant):²						
1	Total Number	562	19	6	46	17	97
2	Per cent of total for Canada	100.00	3.38	1.07	8.19	3.02	17.26
3	Commercial	337	17	5	22	6	75
4	Hydraulic	193	17	3	15	4	68
5	Thermal	144	—	2	7	2	7
6	Municipal	225	2	1	24	11	22
7	Hydraulic	151	—	—	24	2	21
8	Thermal	74	2	1	—	9	1
	Generating Plants (classified by type of equipment):						
	Primary:						
9	With water wheels and turbines	344	17	3	39	6	89
10	With steam engines only	9	—	—	—	—	1
11	With steam turbines only	31	—	1	5	4	1
12	With gas or oil engines only	173	2	2	1	6	6
13	With both steam engines and turbines	2	—	—	—	1	—
14	With both steam and gas or oil engines	3	—	—	1	—	—
	Secondary:						
15	With alternating current dynamos only	508	19	5	46	16	97
16	With direct current dynamos only	46	—	1	—	1	—
17	With both alternating and direct current dynamos	8	—	—	—	—	—
18	Commercial Organizations	320¹	10	3	14	12	78
19	Number generating power	190	7	2	9	6	31
20	Number buying power for redistribution	130	3	1	5	6	47
21	Municipalities	487¹	2	1	21	10	36
22	Number generating power	75	2	1	5	2	13
23	Number buying power for redistribution	412	—	—	16	8	23
24	Auxiliary Plants	104	4	2	13	6	10
25	To hydraulic stations	93	4	2	9	2	9
26	To non-generating stations	11	—	—	4	4	1

1. Organizations operating in two or more provinces are shown under provinces, but are included in total as only one organization.

2. Some plants formerly shown as main fuel plants are now shown as auxiliary to hydraulic stations.

TABLEAU 2. Centrales génératrices, 1952

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.		No
						Centrales génératrices (principales seulement)²:	
133	11	80	86	59	8	Nombre	1
23.67	1.96	14.23	15.30	10.50	1.42	Pourcentage du total pour le Canada	2
41	3	39	78	45	6	Commerciales	3
35	2	2	17	27	3	Hydrauliques	4
6	1	37	61	18	3	Thermiques	5
92	8	41	8	14	2	Municipales	6
88	4	—	—	10	2	Hydrauliques	7
4	4	41	8	4	—	Thermiques	8
						Centrales génératrices (classées selon le genre d'équipement):	
						D'énergie primaire:	
123	6	2	17	37	5	Avec roues et turbines hydrauliques	9
2	1	—	2	3	—	Avec machines à vapeur seulement	10
2	—	6	7	5	—	Avec turbines à vapeur seulement	11
6	4	71	60	12	3	Avec moteurs à gaz ou à pétrole seulement	12
—	—	1	—	—	—	Avec machines et turbines à vapeur à la fois	13
—	—	—	—	2	—	Avec machines à vapeur à gaz et à pétrole	14
						D'énergie secondaire:	
129	11	53	70	54	8	Avec dynamos à courant alternatif seulement	15
2	—	27	13	2	—	Avec dynamos à courant direct seulement	16
2	—	—	3	3	—	Avec dynamos à courant alternatif et direct	17
54	9	42	55	46	8	Sociétés commerciales	18
25	2	39	41	28	6	Nombre de centrales génératrices	19
29	7	3	14	18	2	Nombre de centrales achetant de l'électricité pour la revente	20
348	12	24	15	21	1	Municipalités	21
17	6	18	6	8	1	Nombre de centrales génératrices	22
331	6	6	9	13	—	Nombre de centrales achetant de l'électricité pour la revente	23
19	2	2	8	37	1	Centrales auxiliaires	24
18	1	2	8	37	1	Aux centrales hydrauliques	25
1	1	—	—	—	—	Aux centrales non génératrices	26

1. Les compagnies exploitant des usines dans deux ou plusieurs provinces sont inscrites au chapitre des provinces, mais n'apparaissent qu'une fois dans le total.

2. Certaines usines qui autrefois étaient indiquées comme usines thermiques principales sont maintenant indiquées comme auxiliaires des usines hydrauliques.

TABLE 3. Revenue, 1952¹

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
		\$	\$	\$	\$	\$	\$
	Revenue:						
1	From Sale of Electric Energy	415,494,074	3,460,697	1,412,751	16,196,486	11,190,595²	141,134,845²
2	For domestic service	144,650,270	1,488,195	678,396	5,709,408	5,072,097	31,020,796
3	For commercial light	71,534,631	636,323	503,684	3,193,410	1,951,786	17,066,236
4	For power (small)	16,268,364	361,240	31,901	725,059	1,007,082	3,301,224
5	For power (large)	169,938,350	886,931	136,913	6,183,437	2,807,132	86,854,794
6	For power (municipal)	5,223,947	4,088	32,986	61,610	79,816	1,204,319
7	For street lighting	7,878,512	83,920	28,871	323,562	272,682	1,687,476
8	Commercial Stations	177,615,066	3,348,669	1,153,544	11,413,688	2,928,738	90,846,808
9	Non-generating	4,914,317	64,863	2,323	966,306	931,981	1,052,311
10	Generating	172,700,749	3,283,806	1,151,221	10,447,382	1,996,757	89,794,497
11	Hydraulic	161,220,074	3,283,806	42,692	6,309,354	1,885,062	89,371,909
12	Thermal	11,480,675	—	1,108,529	4,138,028	111,695	422,588
13	Municipal Stations	237,879,008	112,028	259,207	4,782,798	8,261,857	50,288,037
14	Non-generating	45,363,457	—	—	1,089,537	1,273,561	1,420,014
15	Generating	192,515,551	112,028	259,207	3,693,261	6,988,296	48,868,023
16	Hydraulic	168,513,946	—	—	3,693,261	751,993	48,843,372
17	Thermal	24,001,605	112,028	259,207	—	6,236,303	24,651
18	Revenue of non-generating stations	50,277,774	64,863	2,323	2,055,843	2,205,542	2,472,325
19	Revenue of generating stations	365,216,300	3,395,834	1,410,428	14,140,643	8,985,053	138,662,520
20	Hydraulic	329,734,020	3,283,806	42,692	10,002,615	2,637,055	138,215,281
21	Thermal	35,482,280	112,028	1,367,736	4,138,028	6,347,998	447,239
22	Average Revenue:						
22	per h.p. of primary power	31.14	47.10	65.99	63.63	53.18	21.11
23	per h.p. in main and auxiliary plants	29.22	46.48	65.08	47.41	51.07	20.97
24	per kva. of dynamo capacity	37.27	56.20	82.10	75.17	61.51	24.77
25	per kva. in main and auxiliary plants	35.05	55.40	81.31	55.74	59.23	24.59
26	per domestic service customer	46.48	38.59	63.59	41.93	47.94	36.03
27	per commercial light customer	169.34	149.58	214.88	178.89	157.39	157.38
28	per small power customer	259.63	671.45	514.53	207.63	622.04	244.75
29	per large power customer	9,340.35	28,610.68	9,127.53	8,030.44	14,774.38	29,980.94
30	In cents per kilowatt hour consumed	0.70	1.48	3.94	1.68	1.45	0.44
31	In cents per kilowatt hour — domestic and farm service	1.65	2.42	5.68	3.01	4.13	1.85
32	In cents per kilowatt hour — commercial light	2.05	2.78	4.61	3.74	3.19	1.98

1. Gross revenue less cost of power interchanged between stations.

2. Adjusted for power purchased from another province.

3. Adjusted for power purchased from Quebec plants.

CENTRAL ELECTRIC STATIONS

1952

SUPPLEMENT

Salaries and wages data for the year 1952 and prior years contained certain anomalies. Some firms, inadvertently, included salaries and wages paid to own employees on new construction whereas other firms excluded this payment. The 1952 report "Central Electric Stations" contains, in Table 1, revised figures for the years 1950, 1951 and 1952 showing salaries and wages for own employees on new construction included in total salaries and wages for all reporting firms.

As salaries and wages are considered to be operating expenses, it has been decided to exclude salaries and wages paid to own employees on new construction. These payments belong in the capital account as a cost of construction.

This supplement has thus been prepared to show the expense columns of Table 1 and the wages and salaries data of Table 4 of the 1952 report excluding the amount of salaries and wages paid to own employees engaged in new construction.

Supplementary Table 1 shows total expenses excluding salaries and wages paid to own employees on new construction.

Supplementary Table 1a shows grand total of all salaries and wages paid by all reporting firms.

Supplementary Table 1b shows the amount of salaries and wages paid to company employees on new construction only.

This is followed in Table 1c by the amount of salaries and wages excluding that paid to own employees on new construction (Table 1a-1b).

Table 1d is the same as Table 4 of the 1952 report, revised to exclude salaries and wages paid to own employees on new construction.

The number of employees shown in Table 7 includes those engaged in new construction, since those are not reported separately. A breakdown, similar to the salaries and wages data, is therefore not available for employees.

Supplementary Table I

	1952	1951	1950	1949	1948	1947	1946
Expenses:							
Total	278,036,006	251,280,097	216,259,954	197,409,382	173,420,667	164,063,096	150,750,488
Commercial	103,167,296	94,313,890	80,302,855	76,055,742	66,243,323	65,553,976	66,789,794
Municipal.....	174,868,710	156,966,207	135,957,099	121,353,640	107,177,344	98,509,120	83,960,694
Generating.....	185,626,680	168,433,550	140,268,550	131,371,015	115,545,404	110,503,493	95,125,303
Non-generating	92,409,326	82,846,547	75,991,404	66,038,367	57,875,263	53,559,603	55,625,185

Note. Revised to exclude the amount of wages and salaries paid to company employees engaged in new construction.

TABLEAU 3. Recettes, 1952¹

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.		No
\$	\$	\$	\$	\$	\$		
						Recettes:	
157,968,338 ²	21,042,026 ²	15,611,649 ²	20,619,957 ²	42,577,073 ²	1,013,748	Provenant de la vente d'électricité	1
58,159,497	9,953,161	6,646,930	7,134,034	18,602,342	185,414	Pour éclairage ménager	2
23,355,932	4,108,232	3,943,426	5,692,184	10,870,951	212,467	Pour éclairage commercial	3
4,754,057	809,889	1,385,878	2,211,737	1,629,949	50,348	Pour énergie (petite)	4
65,071,601	5,561,302	3,066,975	4,857,375	10,694,246	551,755	Pour énergie (grosse)	5
3,191,412	198,252	134,791	250,601	61,839	4,233	Pour énergie (municipale)	6
3,435,859	411,190	433,649	474,026	717,746	9,531	Pour éclairage des rues	7
11,055,830	10,425,840	2,734,211	12,195,851	34,354,334	568,778	Centrales commerciales	8
3,173,042	1,669,521	26,096	126,308	178,102	101,589	Non génératrices	9
7,882,788	8,756,319	2,708,115	12,069,543	34,176,232	467,189	Génératrices	10
7,469,277	8,626,336	1,196,072	8,795,333	33,942,464	330,869	Hydrauliques	11
413,511	129,983	1,512,043	3,274,210	233,768	136,320	Thermiques	12
146,912,528	10,616,186	12,877,438	8,424,106	8,222,739	444,970	Centrales municipales	13
30,593,435	5,095,700	1,635,089	2,901,107	1,458,804	—	Non génératrices	14
116,319,093	5,520,486	11,242,349	5,522,999	6,763,935	444,970	Génératrices	15
116,217,043	5,396,697	—	—	6,385,706	444,970	Hydrauliques	16
102,050	123,789	11,242,349	5,522,999	378,229	—	Thermiques	17
33,766,477	6,765,221	1,661,185	3,027,415	1,636,906	101,589	Recettes des centrales non génératrices	18
124,201,881	14,276,805	13,950,464	17,592,542	40,940,167	912,159	Recettes des usines génératrices	19
123,686,320	14,023,033	1,196,072	8,795,333	40,328,170	775,839	Hydrauliques	20
515,561	253,772	12,754,392	8,797,209	611,997	136,320	Thermiques	21
						Recettes moyennes:	
32.29 ³	29.63	36.20	56.16	46.65	68.91	par h.p. d'énergie primaire	22
28.57 ³	28.98	36.20	53.41	43.64	65.35	par h.p. dans les centrales principales et auxiliaires	23
40.84 ³	38.94	43.17	66.41	53.30	80.85	par kva. de capacité des dynamos	24
36.16 ³	37.89	43.17	63.02	50.28	76.79	par kva. de capacité dans les centrales principales et auxiliaires	25
47.76	58.70	60.28	45.05	61.53	94.26	par abonnés d'éclairage ménager	26
157.52	153.18	164.28	193.10	225.92	477.45	par abonnés d'éclairage commercial	27
270.33	130.44	367.02	231.26	261.92	488.82	par abonnés pour petite énergie	28
14,348.75	992.74	6,109.51	2,151.18	7,869.20	15,764.43	par abonnés pour grosse énergie	29
0.69	0.66	1.45	1.75	1.41	1.41	Cents par kwh. consommé	30
1.25	1.21	3.59	3.06	2.36	5.95	Cents par kwh. — service ménager et agricole	31
1.46	1.90	4.07	3.68	2.90	7.29	Cents par kwh. — service commercial	32

1. Revenu brut moins le coût de l'énergie échangée entre les centrales.

2. Ajusté pour tenir compte de l'énergie achetée d'une autre province.

3. Ajusté pour tenir compte des achats de l'énergie des centrales du Québec.

TABLE 4. Expenses, 1952¹

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
		\$	\$	\$	\$	\$	\$
	Expenses:						
1	Total	328,253,100	1,888,392	857,043	13,403,380	9,711,758	73,199,419
2	Per cent of total for Canada	100.00	0.58	0.26	4.08	2.96	22.30
3	Salaries and wages	152,383,011	1,214,103	331,885	4,101,389	4,127,652	26,944,058
4	Fuel	13,420,563	70,627	357,834	3,333,600	2,147,383	235,971
5	Taxes ²	47,410,218	466,633	154,288	2,015,199	295,342	25,056,068
6	Cost of power	115,039,308	137,029	13,036	3,953,192	3,141,381	20,963,322
	Commercial Stations:						
7	Total	107,889,275	1,785,867	709,071	9,473,889	2,363,882	50,164,649
8	Salaries and wages	38,520,964	1,163,246	279,632	2,928,569	515,885	18,157,817
9	Fuel	4,933,255	18,959	262,115	2,759,551	52,573	223,534
10	Taxes ²	39,526,710	466,633	154,288	1,913,001	289,945	20,726,348
11	Cost of power	24,908,346	137,029	13,036	1,872,768	1,505,479	11,056,950
12	Non-generating stations	9,706,693	36,465	2,300	1,490,198	1,925,494	955,609
13	Generating stations	98,182,582	1,749,402	706,771	7,983,691	438,388	49,209,040
14	Hydraulic stations	90,104,219	1,749,402	25,229	4,435,112	324,293	48,883,046
15	Thermal stations	8,078,363	—	681,542	3,548,579	114,095	325,994
	Municipal Stations:						
16	Total	220,363,825	102,525	147,972	3,929,491	7,347,876	23,034,770
17	Salaries and wages	113,862,047	50,857	52,253	1,172,820	3,611,767	8,786,241
18	Fuel	8,487,308	51,668	95,719	574,049	2,094,810	12,437
19	Taxes ²	7,883,508	—	—	102,198	5,397	4,329,720
20	Cost of power	90,130,962	—	—	2,080,424	1,635,902	9,906,372
21	Non-generating stations	86,081,190	—	—	2,420,089	1,776,844	1,389,099
22	Generating stations	134,282,635	102,525	147,972	1,509,402	5,571,032	21,645,671
23	Hydraulic stations	120,157,799	—	—	1,509,402	136,356	21,645,671
24	Thermal stations	14,124,836	102,525	147,972	—	5,434,676	—
	Non-generating Stations:						
25	Total	95,787,883	36,465	2,300	3,910,287	3,702,338	2,344,708
26	Salaries and wages	22,943,158	11,650	201	824,617	602,143	806,620
27	Fuel	17,004	—	—	—	7,600	—
28	Taxes ²	1,920,200	5,270	—	283,773	184,692	9,178
29	Cost of power	70,907,521	19,545	2,099	2,801,897	2,907,903	1,528,910
	Generating Stations:						
30	Total	232,465,217	1,851,927	854,743	9,493,093	6,009,420	70,854,711
31	Salaries and wages	129,439,853	1,202,453	331,684	3,276,772	3,525,509	26,137,438
32	Fuel	13,403,559	70,627	357,834	3,333,600	2,139,783	235,971
33	Taxes ²	45,490,018	461,363	154,288	1,731,426	110,650	25,046,890
34	Cost of power	44,131,787	117,484	10,937	1,151,295	233,478	19,434,412
35	Hydraulic stations	210,262,018	1,749,402	25,229	5,944,514	460,649	70,528,717
36	Thermal stations	22,203,199	102,525	829,514	3,548,579	5,548,771	325,994

1. Includes only the four items listed.

2. Sales tax not included (see page 1).

TABLEAU 4. Dépenses, 1952¹

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.		No
\$	\$	\$	\$	\$	\$		
171,342,924	13,585,181	9,216,379	10,841,039	23,765,427	442,158	Dépenses:	
52,20	4,14	2,81	3,30	7,24	0,13	Total	1
87,696,273	6,917,816	4,437,877	4,658,118	11,740,475	213,365	Pourcentage du total pour le Canada.....	2
2,024,612	84,069	2,784,558	1,079,022	1,266,040	36,847	Salaires et gages	3
4,730,280	2,279,567	431,157	2,902,363	9,051,186	28,135	Combustible.....	4
76,891,759	4,303,729	1,562,787	2,201,536	1,707,726	163,811	Taxes ²	5
						Achat d'énergie électrique	6
						Centrales commerciales:	
11,390,313	5,545,107	1,507,587	5,990,806	18,604,678	353,426	Total	7
1,988,402	1,415,167	674,627	2,940,588	8,319,724	137,307	Salaires et gages	8
54,228	27,041	501,837	411,215	597,560	24,642	Combustible.....	9
2,119,395	2,059,670	314,084	2,519,107	8,936,573	27,666	Taxes ²	10
7,228,288	2,043,229	17,039	119,896	750,821	163,811	Achat d'énergie électrique	11
2,878,577	1,988,850	20,990	87,047	195,956	125,207	Centrales non génératrices.....	12
8,511,736	3,556,257	1,486,597	5,903,759	18,408,722	228,219	Centrales génératrices.....	13
8,473,922	3,475,162	586,983	3,840,491	18,246,504	64,075	Centrales hydrauliques	14
37,814	81,095	899,614	2,063,268	162,218	164,144	Centrales thermiques.....	15
						Centrales municipales:	
159,952,611	8,040,074	7,708,792	4,850,233	5,160,749	88,732	Total	16
85,707,871	5,502,649	3,763,250	1,717,530	3,420,751	76,058	Salaires et gages	17
1,970,384	57,028	2,282,721	667,807	668,480	12,205	Combustible.....	18
2,610,885	219,897	117,073	383,256	114,613	469	Taxes ²	19
69,663,471	2,260,500	1,545,748	2,081,640	956,905	—	Achat d'énergie électrique	20
69,519,706	5,282,646	1,456,165	2,987,392	1,249,249	—	Centrales non génératrices.....	21
90,432,905	2,757,428	6,252,627	1,862,841	3,911,500	88,732	Centrales génératrices.....	22
90,384,074	2,701,490	—	—	3,692,074	88,732	Centrales hydrauliques	23
48,831	55,938	6,252,627	1,862,841	219,426	—	Centrales thermiques.....	24
						Centrales non génératrices:	
72,398,283	7,271,496	1,477,155	3,074,439	1,445,205	125,207	Total	25
16,319,880	3,043,919	203,631	759,337	344,670	26,490	Salaires et gages	26
8,383	—	—	—	—	1,021	Combustible.....	27
1,022,672	68,258	117,073	199,264	14,082	15,938	Taxes ²	28
55,047,348	4,159,319	1,156,451	2,115,838	1,086,453	81,758	Achat d'énergie électrique	29
						Centrales génératrices:	
98,944,641	6,313,685	7,739,224	7,766,600	22,320,222	316,951	Total	30
71,376,393	3,873,897	4,234,246	3,898,781	11,395,805	186,875	Salaires et gages	31
2,016,229	84,069	2,784,558	1,079,022	1,266,040	35,826	Combustible.....	32
3,707,608	2,211,309	314,084	2,703,099	9,037,104	12,197	Taxes ²	33
21,844,411	144,410	406,336	85,698	621,273	82,053	Achat d'énergie électrique	34
98,857,996	6,176,652	586,983	3,840,491	21,938,578	152,807	Centrales hydrauliques	35
86,645	137,033	7,152,241	3,926,109	381,644	164,144	Centrales thermiques.....	36

1. Ne comprend que les quatre articles énumérés.

2. Taxe des ventes non comprises (Voir page 12)

TABLE 5. Number of Customers, 1952

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
	Number of Customers:						
1	Total	3,620,595	43,405	13,112	158,418	120,129	987,264
2	Per cent of total for Canada	100.00	1.20	0.36	4.38	3.32	27.27
3	Domestic service	3,112,306	38,560	10,669	136,175	105,801	860,891
4	Commercial light	422,428	4,254	2,344	17,851	12,401	103,442
5	Power (small)	62,660	538	62	3,492	1,619	13,488
6	Power (large)	18,194	31	15	770	190	2,897
7	Power (municipal)	1,147	2	6	16	23	233
8	Street lighting	3,860	20	16	114	95	1,313
	Commercial Stations:						
9	Total	1,175,923	42,441	10,545	97,449	26,660	533,857
10	Domestic service	1,006,016	37,721	8,516	83,846	23,015	468,873
11	Commercial light	139,248	4,134	1,994	10,615	3,191	55,086
12	Power (small)	20,022	535	4	2,356	369	6,625
13	Power (large)	8,304	31	11	566	58	1,835
14	Power (municipal)	428	1	5	5	7	183
15	Street lighting	1,905	19	15	61	20	1,255
	Municipal Stations:						
16	Total	2,444,672	964	2,567	60,969	93,469	453,407
17	Domestic service	2,106,290	839	2,153	52,329	82,786	392,018
18	Commercial light	283,180	120	350	7,236	9,210	53,356
19	Power (small)	42,638	3	58	1,136	1,250	6,863
20	Power (large)	9,890	—	4	204	132	1,062
21	Power (municipal)	719	1	1	11	16	50
22	Street lighting	1,955	1	1	53	75	58
	Non-generating Stations:						
23	Total	1,281,304	2,081	62	58,900	50,298	59,623
24	Commercial	111,568	2,081	62	26,551	21,543	25,110
25	Municipal	1,169,736	—	—	32,349	28,755	34,513
26	Domestic service	1,098,040	1,914	59	50,687	43,012	52,708
27	Commercial light	152,503	165	3	6,545	6,303	5,978
28	Power (small)	24,430	—	—	1,447	871	640
29	Power (large)	4,640	1	—	165	71	161
30	Power (municipal)	632	—	—	13	13	18
31	Street lighting	1,059	1	—	43	28	118
	Generating Stations:						
32	Total	2,339,291	41,324	13,050	99,518	69,831	927,641
33	Hydraulic Stations	2,022,343	40,360	590	86,790	7,862	921,462
34	Commercial	987,692	40,360	590	58,170	4,991	502,761
35	Municipal	1,034,651	—	—	28,620	2,871	418,701
36	Domestic service	1,754,806	35,807	460	74,686	6,614	802,904
37	Commercial light	223,374	3,969	125	9,718	1,095	101,629
38	Power (small)	29,446	535	4	1,752	82	12,812
39	Power (large)	12,487	30	—	566	63	2,723
40	Power (municipal)	300	1	—	2	1	214
41	Street lighting	1,930	18	1	66	7	1,180
42	Thermal Stations	316,948	964	12,460	12,728	61,969	6,179
43	Commercial	76,663	—	9,893	12,728	126	5,986
44	Municipal	240,285	964	2,567	—	61,843	193
45	Domestic service	259,460	839	10,150	10,802	56,175	5,279
46	Commercial light	46,551	120	2,216	1,588	5,003	835
47	Power (small)	8,784	3	58	293	666	36
48	Power (large)	1,067	—	15	39	56	13
49	Power (municipal)	215	1	6	1	9	1
50	Street lighting	871	1	15	5	60	15

TABLEAU 5. Nombre d'usagers, 1952

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.		No
Nombre d'usagers:							
1,389,381	208,685	139,155	200,259	358,226	2,561	Total	1
38,38	5,76	3,84	5,53	9,89	0,07	Pourcentage du total pour le Canada	2
1,217,723	169,554	110,268	158,359	302,339	1,967	Service ménager	3
148,271	26,819	24,004	29,478	48,119	445	Eclairage commercial	4
17,586	6,209	3,776	9,564	6,223	103	Energie (petite)	5
4,535	5,602	502	2,258	1,359	35	Energie (grosse)	6
579	8	20	221	33	6	Energie (municipale)	7
687	493	585	379	153	5	Eclairage des rues	8
Nombre d'usagers des centrales commerciales:							
37,044	55,042	10,921	84,642	274,900	2,422	Total	9
32,771	44,177	9,180	63,271	232,776	1,870	Service ménager	10
3,857	7,485	1,385	14,584	36,505	412	Eclairage commercial	11
245	570	295	4,530	4,392	101	Energie (petite)	12
120	2,788	30	1,683	1,151	31	Energie (grosse)	13
6	1	1	208	7	4	Energie (municipale)	14
45	21	30	366	69	4	Eclairage des rues	15
Nombre d'usagers des centrales municipales:							
1,352,337	153,643	128,234	115,617	83,326	139	Total	16
1,184,952	125,377	101,088	95,088	69,563	97	Service ménager	17
144,414	19,334	22,619	14,894	11,614	33	Eclairage commercial	18
17,341	5,639	3,481	5,034	1,831	2	Energie (petite)	19
4,415	2,814	472	575	208	4	Energie (grosse)	20
573	7	19	13	26	2	Energie (municipale)	21
642	472	555	13	84	1	Eclairage des rues	22
Nombre d'usagers des centrales non génératrices:							
903,231	99,997	22,201	54,626	29,228	1,057	Total	23
15,709	12,893	479	2,304	3,779	1,057	Commerciales	24
887,522	87,104	21,722	52,322	25,449	—	Municipales	25
778,079	82,765	18,589	44,720	24,789	718	Service ménager	26
106,099	13,599	2,615	7,224	3,711	261	Eclairage commercial	27
14,740	2,682	945	2,484	573	48	Energie (petite)	28
3,433	472	31	171	109	26	Energie (grosse)	29
537	4	10	10	25	2	Energie (municipale)	30
343	475	11	17	21	2	Eclairage des rues	31
Nombre d'usagers des centrales génératrices:							
486,150	108,688	116,954	145,633	328,998	1,504	Total	32
484,603	106,074	3	50,143	324,223	233	Stations hydrauliques	33
20,846	40,659	3	50,143	269,075	94	Commerciales	34
463,757	65,415	—	—	55,148	139	Municipales	35
438,267	84,939	—	37,374	273,572	183	Service ménager	36
42,017	12,662	—	8,250	43,875	34	Eclairage commercial	37
2,838	3,350	—	2,669	5,400	4	Energie (petite)	38
1,099	5,110	3	1,641	1,243	9	Energie (grosse)	39
41	2	—	30	7	2	Energie (municipale)	40
341	11	—	179	126	1	Eclairage des rues	41
1,547	2,614	116,951	95,490	4,775	1,271	Stations thermiques	42
489	1,490	10,439	32,195	2,046	1,271	Commerciales	43
1,058	1,124	106,512	63,295	2,729	—	Municipales	44
1,377	1,850	91,679	76,265	3,978	1,066	Service ménager	45
155	558	21,389	14,004	533	150	Eclairage commercial	46
8	177	2,831	4,411	250	51	Energie (petite)	47
3	20	468	446	7	—	Energie (grosse)	48
1	2	10	181	1	2	Energie (municipale)	49
3	7	574	183	6	2	Eclairage des rues	50

TABLE 6. Domestic Service, 1939-1952

	Number of Customers — Nombre d'usagers	Kilowatt Hours Consumed — Kilowatt heures consommés	Revenue — Recettes	Kw. Hours per Customer — Kwh. par usager	Average Annual Bill — Compte moyen de l'année	Revenue per Kilowatt Hr. — Recettes par kwh.
		('000)	\$	kwh.	\$	cents
CANADA:						
1939	1,623,672	2,310,891	43,793,482	1,423	26.97	1.90
1948	2,398,847	4,984,280	79,920,367	2,078	33.32	1.60
1949	2,619,831	5,678,847	90,302,748	2,168	34.47	1.59
1950	2,797,378	6,750,303	109,015,402	2,413	38.97	1.61
1951	2,951,988	7,726,114	127,660,008	2,617	43.25	1.65
1952	3,112,306	8,741,182	144,650,270	2,809	46.48	1.65
Change — Changement, 1939-1952:						
Amount — Volume	1,488,634	6,430,291	100,856,788	1,386	19.51	- 0.25
Per cent — p.c.	91.68	278.26	230.30	97.40	72.34	- 13.16
Newfoundland:						
1949	28,725	31,906	759,347	1,111	26.44	2.38
1950	30,311	40,051	835,530	1,321	27.57	2.09
1951	34,457	48,258	1,162,483	1,401	33.74	2.41
1952	38,560	61,577	1,488,195	1,597	38.59	2.42
Prince Edward Island:						
1939	5,067	2,908	163,226	574	32.21	5.61
1948	8,075	8,341	454,741	1,033	56.31	5.45
1949	8,966	9,433	506,897	1,052	56.54	5.37
1950	10,298	10,526	583,765	1,022	56.69	5.55
1951	10,624	11,479	586,456	1,080	55.20	5.11
1952	10,669	11,954	678,396	1,120	63.59	5.68
Change — Changement, 1939-1952:						
Amount — Volume	5,602	9,046	515,170	546	31.38	+ 0.07
Per cent — p.c.	110.56	311.07	315.62	95.12	97.42	+ 1.25
Nova Scotia:						
1939	62,034	39,084	1,709,507	630	27.56	4.37
1948	102,837	110,981	3,488,141	1,079	33.92	3.14
1949	107,516	127,666	3,974,574	1,187	36.97	3.11
1950	124,860	147,522	4,421,444	1,181	35.41	3.00
1951	128,322	168,349	5,258,257	1,312	40.98	3.12
1952	136,175	189,712	5,709,408	1,393	41.93	3.01
Change — Changement, 1939-1952:						
Amount — Volume	74,141	150,628	3,999,901	763	14.37	- 1.36
Per cent — p.c.	119.52	385.40	233.98	121.11	52.14	- 31.12
New Brunswick:						
1939	46,485	26,989	1,307,772	581	28.13	4.85
1948	80,270	67,749	2,806,668	844	34.97	4.14
1949	87,827	87,846	3,348,391	1,000	38.12	3.81
1950	95,540	97,752	3,746,973	1,023	39.22	3.83
1951	101,151	110,734	4,688,817	1,095	46.35	4.23
1952	105,801	122,859	5,072,097	1,161	47.94	4.13
Change — Changement, 1939-1952:						
Amount — Volume	59,316	95,870	3,764,325	580	19.31	- 0.72
Per cent — p.c.	127.60	355.22	287.84	99.63	70.42	- 14.85
Quebec:						
1939	434,825	311,420	9,167,384	716	21.08	2.94
1948	681,967	830,445	17,537,147	1,218	25.72	2.11
1949	741,941	999,216	20,379,739	1,347	27.47	2.04
1950	778,878	1,199,887	23,820,883	1,541	30.58	1.99
1951	820,705	1,434,277	27,420,175	1,748	33.41	1.91
1952	860,891	1,680,591	31,020,796	1,952	36.03	1.85
Change — Changement, 1939-1952:						
Amount — Volume	426,066	1,369,171	21,853,412	1,236	14.95	- 1.09
Per cent — p.c.	97.99	439.65	238.38	172.63	70.92	- 37.07

Note. Analysis of Domestic Service for 1952 is on page 17

TABLEAU 6. Service ménager, 1939-1952

	Number of Customers — Nombre d'usagers	Kilowatt Hours Consumed — Kilowatt heures consommés	Revenue — Recettes	Kw. Hours per Customer — Kwh. par usager	Average Annual Bill — Compte moyen de l'année	Revenue per Kilowatt Hr. — Recettes par kwh.
		('000)	\$	kwh.	\$	cents
Ontario:						
1939	719,871	1,374,325	19,657,658	1,909	27.31	1.43
1948	969,234	2,799,781	32,421,793	2,889	33.45	1.16
1949	1,036,705	3,076,688	34,813,383	2,968	33.58	1.13
1950	1,104,317	3,662,862	44,723,940	3,317	40.50	1.22
1951	1,162,711	4,148,661	51,900,489	3,568	44.64	1.25
1952	1,217,723	4,639,536	58,159,497	3,810	47.76	1.25
Change — Changement, 1939-1952:						
Amount — Volume	497,852	3,265,211	38,501,839	1,901	20.45	- 0.18
Per cent — p.c.	69.16	237.59	195.86	99.58	74.88	- 12.59
Manitoba:						
1939	81,091	320,827	3,311,662	3,956	40.84	1.03
1948	119,574	553,430	5,883,853	4,628	49.21	1.06
1949	131,284	616,272	6,810,980	4,694	51.88	1.11
1950	144,122	689,335	7,938,900	4,783	55.08	1.15
1951	157,795	759,478	8,964,554	4,813	56.81	1.18
1952	169,554	825,457	9,953,161	4,868	58.70	1.21
Change — Changement, 1939-1952:						
Amount — Volume	88,463	504,630	6,641,499	912	17.86	+ 0.18
Per cent — p.c.	109.09	157.29	200.55	23.05	43.73	+ 17.48
Saskatchewan:						
1939	49,980	41,198	2,004,433	824	40.10	4.87
1948	80,614	89,871	3,675,447	1,115	45.59	4.09
1949	87,987	105,522	4,171,599	1,199	47.41	3.95
1950	94,734	128,221	4,870,802	1,353	51.42	3.80
1951	99,260	152,010	5,628,742	1,531	56.71	3.70
1952	110,268	184,974	6,646,930	1,677	60.28	3.59
Change — Changement, 1939-1952:						
Amount — Volume	60,288	143,776	4,642,497	853	20.18	- 1.28
Per cent — p.c.	120.62	348.99	231.61	103.52	50.32	- 26.28
Alberta:						
1939	60,257	42,210	2,145,093	618	31.42	5.06
1948	108,717	107,548	3,999,670	989	36.79	3.72
1949	121,440	130,328	4,614,214	1,073	38.00	3.54
1950	134,132	164,205	5,384,777	1,224	40.15	3.28
1951	143,962	199,287	6,305,129	1,384	43.80	3.16
1952	158,359	233,236	7,134,034	1,473	45.05	3.06
Change — Changement, 1939-1952:						
Amount — Volume	90,092	191,026	4,988,941	855	13.63	- 2.02
Per cent — p.c.	131.97	452.56	232.57	138.35	43.38	- 39.76
British Columbia:						
1939	156,052	151,930	4,326,747	974	27.73	2.85
1948	246,025	414,850	9,533,260	1,686	38.75	2.30
1949	265,635	491,897	10,799,002	1,850	40.62	2.20
1950	278,417	607,427	12,525,229	2,182	44.99	2.06
1951	291,165	690,904	15,572,304	2,373	53.48	2.25
1952	302,339	788,168	18,602,342	2,607	61.53	2.36
Change — Changement, 1939-1952:						
Amount — Volume	146,287	636,238	14,275,595	1,633	33.80	- 0.49
Per cent — p.c.	93.74	418.77	329.94	167.66	121.89	- 17.19
Yukon and Northwest Territories:						
1948	1,534	1,284	119,647	837	78.00	9.32
1949	1,605	2,073	124,622	1,292	77.65	6.01
1950	1,769	2,515	163,159	1,422	92.23	6.49
1951	1,836	2,677	172,602	1,458	94.01	6.45
1952	1,967	3,118	185,414	1,585	94.26	5.95

Nota. L'analyse du service ménager en 1952 paraît à la page 96. 17

TABLE 7. Employees, 1952

		Canada	Newfound- land	Prince Edward Island	Nova - Scotia	New Brunswick	Quebec
1	Employees:						
2	Total	47,238	604	126	1,611	1,246	9,012
3	Per cent of total for Canada	100.00	1.28	0.27	3.41	2.64	19.08
4	Salaried (officers, clerks, other)	15,000	97	58	688	316	3,381
5	Wage Earners	32,238	507	68	923	930	5,631
	In Commercial Stations:						
6	Total	12,534	588	103	1,060	178	6,144
7	Salaried (officers, clerks, other)	4,540	92	53	342	42	2,327
8	Wage Earners	7,894	496	50	718	136	3,817
9	Non-generating	628	4	1	151	83	241
10	Generating	11,906	584	102	909	95	5,903
11	Hydraulic	10,961	584	4	699	77	5,829
12	Thermal	945	—	98	210	18	74
	In Municipal Stations:						
13	Total	34,704	16	23	551	1,068	2,868
14	Salaried (officers, clerks, other)	10,460	5	5	346	274	1,054
15	Wage Earners	24,244	11	18	205	794	1,814
16	Non-generating	7,225	—	—	169	141	152
17	Generating	27,479	16	23	382	927	2,716
18	Hydraulic	24,924	—	—	382	30	2,716
19	Thermal	2,555	16	23	—	897	—
	In Non-generating Stations:						
20	Total	7,853	4	1	320	224	393
21	Salaried (officers, clerks, other)	2,926	3	—	109	117	103
22	Wage Earners	4,927	1	1	211	107	290
	In Generating Stations:						
23	Total	39,385	600	125	1,291	1,022	8,619
24	Salaried (officers, clerks, other)	12,074	94	58	579	199	3,278
25	Wage Earners	27,311	506	67	712	823	5,341
26	Hydraulic	35,885	584	4	1,081	107	8,545
27	Thermal	3,500	16	121	210	915	74

TABLEAU 7. Employés, 1952

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.		No
						Employés:	
25,896	2,658	1,520	1,485	3,016	64	Total	1
54.82	5.63	3.21	3.14	6.38	0.14	Pourcentage du total national	2
7,470	838	424	485	1,220	23	A salaire (administrateurs, commis, autres)	3
18,426	1,820	1,096	1,000	1,796	41	A gages	4
						Dans les centrales commerciales:	
569	516	206	906	2,225	39	Total	5
134	230	76	295	935	14	A salaire (administrateurs, commis, autres)	6
435	286	130	611	1,290	25	A gages	7
89	13	5	17	17	7	Non génératrices	8
430	503	201	889	2,208	32	Génératrices	9
476	493	94	507	2,182	16	Hydrauliques	10
4	10	107	382	26	16	Thermiques	11
						Dans les centrales municipales:	
25,327	2,142	1,314	579	791	25	Total	12
7,336	608	348	190	285	9	A salaire (administrateurs, commis, autres)	13
17,991	1,534	966	389	506	16	A gages	14
5,153	1,199	75	241	95	—	Non génératrices	15
20,174	943	1,239	338	696	25	Génératrices	16
20,167	931	—	—	673	25	Hydrauliques	17
7	12	1,239	338	23	—	Thermiques	18
						Dans les centrales non génératrices:	
5,242	1,212	80	258	112	7	Total	19
2,071	312	40	122	47	2	A salaire (administrateurs, commis, autres)	20
3,171	900	40	136	65	5	A gages	21
						Dans les centrales génératrices:	
20,654	1,446	1,440	1,227	2,904	57	Total	22
5,399	526	384	363	1,173	21	A salaire (administrateurs, commis, autres)	23
15,255	920	1,056	864	1,731	36	A gages	24
20,643	1,424	94	507	2,855	41	Hydrauliques	25
11	22	1,346	720	49	16	Thermiques	26

TABLE 8. Pole Line Mileage, 1952

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
1	Pole Line Mileage, Total	190,316	1,925	660	8,609	8,121	33,792
2	Per cent of total for Canada	100.00	1.01	0.35	4.52	4.27	17.76
3	Miles of steel towers	8,453	114	—	25	400	1,711
4	Miles of steel poles	271	14	—	2	—	178
5	Miles of wooden poles	178,196	1,780	657	8,563	7,714	30,910
6	Miles of concrete poles	571	10	—	—	—	—
7	Miles of underground and submarine cable	2,825	7	3	19	7	993
8	Commercial Stations	66,774	1,880	552	4,090	714	29,409
9	Non-generating	6,800	13	19	908	243	4,526
10	Generating	59,974	1,867	533	3,182	471	24,883
11	Hydraulic	55,056	1,867	27	2,301	448	24,456
12	Thermal	4,918	—	506	881	23	427
13	Municipal Stations	123,542	45	108	4,519	7,407	4,383
14	Non-generating	37,401	—	—	946	294	420
15	Generating	86,141	45	108	3,573	7,113	3,963
16	Hydraulic	64,789	—	—	3,573	41	3,958
17	Thermal	21,352	45	108	—	7,072	5
18	Non-Generating Stations	44,201	13	19	1,854	537	4,946
19	Generating Stations	146,115	1,912	641	6,755	7,584	28,846
20	Hydraulic	119,845	1,867	27	5,874	489	28,414
21	Thermal	26,270	45	614	881	7,095	432

TABLE 9. Auxiliary Plant Equipment, 1952

No.		Unit	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
1	Total Primary Power	h.p.	880,608	982	300	87,073	8,725	46,972
2	Per cent of total for Canada	—	100.00	0.11	0.04	9.89	0.99	5.33
3	Steam reciprocating engines	No.	13	—	1	3	2	—
4	Total capacity	h.p.	4,818	—	75	1,190	800	—
5	Steam turbines	No.	61	—	—	11	3	8
6	Total capacity	h.p.	809,883	—	—	82,296	1,925	36,224
7	Gas and oil engines	No.	157	7	2	16	7	16
8	Total capacity	h.p.	65,907	982	225	3,587	6,000	10,748
9	Total Secondary Power	kva.	705,207	887	168	75,083	7,031	41,902
Commercial Stations								
10	Total Primary Power	h.p.	130,626	982	300	49,625	4,765	12,568
11	Steam reciprocating engines	No.	13	—	1	3	2	—
12	Total capacity	h.p.	4,818	—	75	1,190	800	—
13	Steam turbines	No.	24	—	—	4	3	3
14	Total capacity	h.p.	101,775	—	—	48,270	1,925	3,500
15	Gas and oil engines	No.	55	7	2	1	3	12
16	Total capacity	h.p.	24,033	982	225	165	2,040	9,068
17	Total Secondary Power	kva.	106,946	887	168	41,388	3,385	10,483
Municipal Stations								
18	Total Primary Power	h.p.	749,982	—	—	37,448	3,960	34,404
19	Steam reciprocating engines	No.	—	—	—	—	—	—
20	Total capacity	h.p.	—	—	—	—	—	—
21	Steam turbines	No.	37	—	—	7	—	5
22	Total capacity	h.p.	708,108	—	—	34,026	—	32,724
23	Gas and oil engines	No.	102	—	—	15	4	4
24	Total capacity	h.p.	41,874	—	—	3,422	3,960	1,680
25	Total Secondary Power	kva.	598,261	—	—	33,695	3,446	31,419

TABLEAU 8. Longueur (en milles) des lignes sur poteaux, 1952

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.		No
62,990	28,514	13,858	20,188	11,447	212	Longueur (en milles) des lignes sur poteaux, total	1
33,10	14,98	7,28	10,61	6,01	0,11	Pourcentage du total national	2
4,816	900	34	40	413	—	Milles de pylones d'acier	3
74	3	—	—	—	—	Milles de poteaux d'acier	4
56,235	27,535	13,784	20,004	10,803	211	Milles de poteaux de bois	5
560	1	—	—	—	—	Milles de poteaux de ciment	6
1,305	75	40	144	231	1	Milles de câbles souterrains et sous-marins	7
1,763	1,626	319	18,816	7,534	71	Centrales commerciales	8
307	367	9	66	324	18	Non génératrices	9
1,456	1,259	310	18,750	7,210	53	Génératrices	10
1,443	1,194	42	16,105	7,141	32	Hydrauliques	11
13	65	268	2,645	69	21	Thermiques	12
61,227	26,888	13,539	1,372	3,913	141	Centrales municipales	13
8,627	25,854	201	684	375	—	Non génératrices	14
52,600	1,034	13,338	688	3,538	141	Génératrices	15
52,569	1,026	—	—	3,481	141	Hydrauliques	16
31	8	13,338	688	57	—	Thermiques	17
8,934	26,221	210	750	699	18	Centrales non génératrices	18
54,056	2,293	13,648	19,438	10,748	194	Centrales génératrices	19
54,012	2,220	42	16,105	10,622	173	Hydrauliques	20
44	73	13,606	3,333	126	21	Thermiques	21

TABLEAU 9. Outillage de centrales auxiliaires, 1952

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.	Unité		No
637,851	15,980	—	18,963	62,962	800	h.p.	Total, énergie primaire	1
72,43	1,82	—	2,15	7,15	0,09	—	Pourcentage du total national	2
—	—	—	7	—	—	nomb.	Machines à vapeur, à mouvement alternatif	3
—	—	—	2,753	—	—	h.p.	Capacité totale	4
17	5	—	4	12	1	nomb.	Turbines à vapeur	5
624,820	15,980	—	15,000	33,478	160	h.p.	Capacité totale	6
18	—	—	7	80	4	nomb.	Moteurs à gaz et à pétrole	7
13,031	—	—	1,210	29,484	640	h.p.	Capacité totale	8
499,910	14,906	—	16,662	47,995	663	kva.	Total, énergie secondaire	9
Centrales commerciales								
7,670	—	—	18,963	35,593	160	h.p.	Total, énergie primaire	10
—	—	—	7	—	—	nomb.	Machines à vapeur, à mouvement alternatif	11
—	—	—	2,753	—	—	h.p.	Capacité totale	12
1	—	—	4	8	1	nomb.	Turbines à vapeur	13
4,020	—	—	15,000	28,900	160	h.p.	Capacité totale	14
5	—	—	7	18	—	nomb.	Moteurs à gaz et à pétrole	15
3,650	—	—	1,210	6,693	—	h.p.	Capacité totale	16
7,031	—	—	16,662	26,592	150	kva.	Total, énergie secondaire	17
Centrales municipales								
630,181	15,980	—	—	27,369	640	h.p.	Total, énergie primaire	18
—	—	—	—	—	—	nomb.	Machines à vapeur, à mouvement alternatif	19
—	—	—	—	—	—	h.p.	Capacité totale	20
16	5	—	—	4	—	nomb.	Turbines à vapeur	21
620,800	15,980	—	—	4,578	—	h.p.	Capacité totale	22
13	—	—	—	62	4	nomb.	Moteurs à gaz et à pétrole	23
9,381	—	—	—	22,791	640	h.p.	Capacité totale	24
492,879	14,906	—	—	21,403	513	kva.	Total, énergie secondaire	25

TABLE 10. Total Equipment (Including Auxiliary Plant Equipment), 1932

No.		Unit	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
1	Total Primary Power	h.p.	14,221,806	74,461	21,709	341,612	219,141	6,731,575
2	Per cent of total for Canada	—	100.00	0.52	0.15	2.40	1.54	47.33
3	Water wheels and turbines	No.	908	30	5	60	13	291
4	Total capacity	h.p.	12,550,838	71,215	369	144,390	106,600	6,679,023
5	Steam reciprocating engines	No.	18	—	1	3	4	—
6	Total capacity	h.p.	7,776	—	75	1,190	2,600	—
7	Steam turbines	No.	144	—	5	24	15	8
8	Total capacity	h.p.	1,513,237	—	16,680	190,151	95,555	36,224
9	Gas and oil engines	No.	484	17	11	23	24	33
10	Total capacity	h.p.	149,955	3,246	4,585	5,881	14,386	16,328
11	Total Dynamo Capacity	kva.	11,854,255	62,462	17,375	290,561	188,948	5,740,457
12	Per cent of total for Canada	—	100.00	0.53	0.15	2.45	1.59	48.43
13	Dynamos, A.C.	No.	1,512	48	17	106	55	336
14	Total capacity	kva.	11,851,824	62,462	17,080	290,261	188,948	5,740,457
15	Dynamos, D.C.	No.	36	—	3	1	—	—
16	Total capacity	kw.	2,431	—	295	300	—	—
Commercial Stations								
17	Total Primary Power	h.p.	7,679,536	72,197	17,519	199,484	100,020	5,250,236
18	Water wheels and turbines	No.	457	30	5	18	8	204
19	Total capacity	h.p.	7,264,376	71,215	369	39,710	94,000	5,232,088
20	Steam reciprocating engines	No.	15	—	1	3	2	—
21	Total capacity	h.p.	5,226	—	75	1,190	800	—
22	Steam turbines	No.	62	—	5	17	4	3
23	Total capacity	h.p.	360,378	—	16,680	156,125	2,925	3,500
24	Gas and oil engines	No.	230	7	4	8	5	29
25	Total capacity	h.p.	49,556	982	395	2,459	2,295	14,648
26	Total Dynamo Capacity	kva.	6,434,273	60,826	13,774	168,134	87,135	4,407,456
27	Dynamos, A.C.	No.	735	38	10	45	18	240
28	Total capacity	kva.	6,432,056	60,826	13,479	167,834	87,135	4,407,456
29	Dynamos, D.C.	No.	27	—	3	1	—	—
30	Total capacity	kw.	2,217	—	295	300	—	—
Municipal Stations								
31	Total Primary Power	h.p.	6,542,270	2,264	4,190	142,128	119,121	1,481,339
32	Water wheels and turbines	No.	451	—	—	42	5	87
33	Total capacity	h.p.	5,286,462	—	—	104,680	12,600	1,446,935
34	Steam reciprocating engines	No.	3	—	—	—	2	—
35	Total capacity	h.p.	2,550	—	—	—	1,800	—
36	Steam turbines	No.	82	—	—	7	11	5
37	Total capacity	h.p.	1,152,859	—	—	34,026	92,630	32,724
38	Gas and oil engines	No.	254	10	7	15	19	4
39	Total capacity	h.p.	100,399	2,264	4,190	3,422	12,091	1,680
40	Total Dynamo Capacity	kva.	5,419,982	1,636	3,601	122,427	101,813	1,333,001
41	Dynamos, A.C.	No.	777	10	7	61	37	96
42	Total capacity	kva.	5,419,768	1,636	3,601	122,427	101,813	1,333,001
43	Dynamos, D.C.	No.	9	—	—	—	—	—
44	Total capacity	kw.	214	—	—	—	—	—

1. Generating equipment for the Yukon and Northwest Territories is located mainly in the mining and smelting industry.

TABLEAU 10. Outillage global (y compris outillage de centrales auxiliaires), 1952

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon ¹ and N.W.T.	Unité	—	No
4, 298, 783	726, 095	431, 243	386, 102	975, 573	15, 512	h.p.	Total, énergie primaire	1
30. 23	5. 11	3. 03	2. 72	6. 86	0. 11	—	Pourcentage du total national	2
377	42	7	15	64	4	nomb.	Turbines et roues hydrauliques	3
3, 614, 666	708, 000	109, 800	205, 900	897, 075	13, 800	h.p.	Capacité totale	4
—	—	1	9	—	—	nomb.	Machines à vapeur, à mouvement alternatif	5
—	—	750	3, 161	—	—	h.p.	Capacité totale	6
21	5	27	22	16	1	nomb.	Turbines à vapeur	7
670, 570	15, 980	284, 619	161, 850	41, 448	160	h.p.	Capacité totale	8
21	7	129	103	102	14	nomb.	Moteurs à gaz et à pétrole	9
13, 547	2, 115	36, 074	15, 191	37, 050	1, 552	h.p.	Capacité totale	10
3, 450, 291	555, 276	361, 660	327, 173	846, 851	13, 201	kva.	Capacité totale des dynamos	11
29. 11	4. 68	3. 05	2. 76	7. 14	0. 11	—	Pourcentage du total pour le Canada	12
417	54	139	140	181	19	nomb.	Dynamos, C.A.	13
3, 450, 176	555, 276	361, 387	325, 945	846, 631	13, 201	kva.	Capacité totale	14
2	—	17	10	3	—	nomb.	Dynamos, C.D.	15
115	—	273	1, 228	220	—	kw.	Capacité totale	16
Usines commerciales								
446, 530	393, 845	158, 942	269, 587	767, 654	3, 522	h.p.	Total, énergie primaire	17
112	12	7	15	44	2	nomb.	Turbines et roues hydrauliques	18
393, 074	393, 000	109, 800	205, 900	722, 770	2, 450	h.p.	Capacité totale	19
—	—	—	9	—	—	nomb.	Machines à vapeur, à mouvement alternatif	20
—	—	—	3, 161	—	—	h.p.	Capacité totale	21
5	—	4	11	12	1	nomb.	Turbines à vapeur	22
49, 770	—	47, 998	46, 350	36, 870	160	h.p.	Capacité totale	23
6	4	27	98	32	10	nomb.	Moteurs à gaz et à pétrole	24
3, 686	845	1, 144	14, 176	8, 014	912	h.p.	Capacité totale	25
387, 758	276, 775	133, 269	225, 714	670, 744	2, 688	kva.	Capacité totale des dynamos	26
123	16	22	124	86	13	nomb.	Dynamos, C.A.	27
387, 758	276, 775	133, 095	224, 486	670, 524	2, 688	kva.	Capacité totale	28
—	—	10	10	3	—	nomb.	Dynamos, C.D.	29
—	—	174	1, 228	220	—	kw.	Capacité totale	30
Centrales municipales								
3, 852, 253	332, 250	272, 301	116, 515	207, 919	11, 990	h.p.	Total, énergie primaire	31
265	30	—	—	20	2	nomb.	Turbines et roues hydrauliques	32
3, 221, 592	315, 000	—	—	174, 305	11, 350	h.p.	Capacité totale	33
—	—	1	—	—	—	nomb.	Machines à vapeur, à mouvement alternatif	34
—	—	750	—	—	—	h.p.	Capacité totale	35
16	5	23	11	4	—	nomb.	Turbines à vapeur	36
620, 800	15, 980	236, 621	115, 500	4, 578	—	h.p.	Capacité totale	37
15	3	102	5	70	4	nomb.	Moteurs à gaz et à pétrole	38
9, 861	1, 270	34, 930	1, 015	29, 036	640	h.p.	Capacité totale	39
3, 062, 533	278, 501	228, 391	101, 459	176, 107	10, 513	kva.	Capacité totale des dynamos	40
294	38	117	16	95	6	nomb.	Dynamos, C.A.	41
3, 062, 418	278, 501	228, 292	101, 459	176, 107	10, 513	kva.	Capacité totale	42
2	—	7	—	—	—	nomb.	Dynamos, C.D.	43
115	—	99	—	—	—	kw.	Capacité totale	44

1. L'outillage générateur du Yukon et des Territoires du Nord-Ouest paraît en majeure partie dans l'industrie de l'extraction minière et de la fonte des métaux.

TABLE 11. Main Plant Equipment, 1952

No.		Unit	Canada	Newfound-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
1	Total Primary Power	h.p.	13, 341, 198	73, 479	21, 409	254, 539	210, 416	6, 684, 603
2	Per cent of total for Canada	—	100.00	0.55	0.16	1.91	1.58	50.11
3	Water Wheels and turbines	No.	908	30	5	60	13	291
4	Total capacity	h.p.	12, 550, 838	71, 215	369	144, 390	106, 600	6, 679, 023
5	Steam reciprocating engines	No.	5	—	—	—	2	—
6	Total capacity	h.p.	2, 958	—	—	—	1, 800	—
7	Steam turbines	No.	83	—	5	13	12	—
8	Total capacity	h.p.	703, 354	—	16, 680	107, 855	93, 630	—
9	Gas and oil engines	No.	327	10	9	7	17	17
10	Total capacity	h.p.	84, 048	2, 264	4, 360	2, 294	8, 386	5, 580
11	Total Dynamo Capacity	kva.	11, 149, 048	61, 575	17, 207	215, 478	181, 917	5, 698, 555
12	Per cent of total for Canada	—	100.00	0.55	0.16	1.93	1.63	51.11
13	Dynamos, A. C.	No.	1, 291	41	16	80	44	313
14	Total capacity	kva.	11, 148, 287	61, 575	17, 032	215, 478	181, 917	5, 698, 555
15	Dynamos, D. C.	No.	31	—	2	—	—	—
16	Total capacity	kw.	761	—	175	—	—	—
Commercial Stations								
17	Total Primary Power	h.p.	7, 548, 910	71, 215	17, 219	149, 859	95, 255	5, 237, 668
18	Per cent of total for Canada	—	100.00	0.94	0.23	1.99	1.26	69.38
19	Water Wheels and turbines	No.	457	30	5	18	8	204
20	Total capacity	h.p.	7, 264, 376	71, 215	369	39, 710	94, 000	5, 232, 088
21	Steam reciprocating engines	No.	2	—	—	—	—	—
22	Total capacity	h.p.	408	—	—	—	—	—
23	Steam turbines	No.	38	—	5	13	1	—
24	Total capacity	h.p.	258, 603	—	16, 680	107, 855	1, 000	—
25	Gas and oil engines	No.	175	—	2	7	2	17
26	Total capacity	h.p.	25, 523	—	170	2, 294	255	5, 580
27	Total Dynamo Capacity	kva.	6, 327, 327	59, 939	13, 606	126, 746	83, 550	4, 396, 973
28	Per cent of total for Canada	—	100.00	0.95	0.22	2.00	1.32	69.49
29	Dynamos, A. C.	No.	551	31	9	38	11	226
30	Total capacity	kva.	6, 326, 780	59, 939	13, 431	126, 746	83, 550	4, 396, 973
31	Dynamos, D. C.	No.	22	—	2	—	—	—
32	Total capacity	kw.	547	—	175	—	—	—
Municipal Stations								
33	Total Primary Power	h.p.	5, 792, 288	2, 264	4, 190	104, 680	115, 161	1, 446, 935
34	Per cent of total for Canada	—	100.00	0.04	0.07	1.81	1.99	24.98
35	Water Wheels and turbines	No.	451	—	—	42	5	87
36	Total capacity	h.p.	5, 286, 462	—	—	104, 680	12, 600	1, 446, 935
37	Steam reciprocating engines	No.	3	—	—	—	2	—
38	Total capacity	h.p.	2, 550	—	—	—	1, 800	—
39	Steam turbines	No.	45	—	—	—	11	—
40	Total capacity	h.p.	444, 751	—	—	—	92, 630	—
41	Gas and oil engines	No.	152	10	7	—	15	—
42	Total capacity	h.p.	58, 525	2, 264	4, 190	—	8, 131	—
43	Total Dynamo Capacity	kva.	4, 821, 721	1, 636	3, 601	88, 732	98, 367	1, 301, 582
44	Per cent of total for Canada	—	100.00	0.03	0.08	1.84	2.04	26.99
45	Dynamos, A. C.	No.	640	10	7	42	33	87
46	Total capacity	kva.	4, 821, 507	1, 636	3, 601	88, 732	98, 367	1, 301, 582
47	Dynamos, D. C.	No.	9	—	—	—	—	—
48	Total capacity	kw.	214	—	—	—	—	—
Hydraulic Stations								
49	Total Dynamo Capacity	kva.	10, 475, 647	59, 939	313	120, 795	92, 625	5, 694, 378
50	Per cent of total for Canada	—	100.00	0.57	0.01	1.15	0.88	54.36
51	Dynamos, A. C.	No.	908	31	2	60	13	296
52	Total capacity	kva.	10, 475, 287	59, 939	138	120, 795	92, 625	5, 694, 378
53	Dynamos, D. C.	No.	6	—	2	—	—	—
54	Total capacity	kw.	360	—	175	—	—	—
Thermal Stations								
55	Total Dynamo Capacity	kva.	673, 401	1, 636	16, 894	94, 683	89, 292	4, 177
56	Per cent of total for Canada	—	100.00	0.24	2.50	14.06	13.26	0.62
57	Dynamos, A. C.	No.	383	10	14	20	31	17
58	Total capacity	kva.	673, 000	1, 636	16, 894	94, 683	89, 292	4, 177
59	Dynamos, D. C.	No.	25	—	—	—	—	—
60	Total capacity	kw.	401	—	—	—	—	—

1. Generating equipment for Yukon and Northwest Territories is located mainly in the mining and smelting industry.

TABLEAU 11. Outillage des centrales principales, 1952

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon ¹ and N.W.T.	Unité	—	No
3, 660, 932	710, 115	431, 243	367, 139	912, 611	14, 712	h.p.	Total, énergie primaire	1
27.44	5.32	3.23	2.75	6.84	0.11	—	Pourcentage du total pour le Canada	2
377	42	7	15	64	—	nomb.	Roues hydrauliques et turbines	3
3, 614, 666	708, 000	109, 800	205, 900	897, 075	13, 800	h.p.	Capacité totale	4
—	—	1	2	—	—	nomb.	Machines à vapeur, à mouvement alternatif	5
—	—	750	408	—	—	h.p.	Capacité totale	6
4	—	27	18	4	—	nomb.	Turbines à vapeur	7
45, 750	—	284, 619	146, 850	7, 970	—	h.p.	Capacité totale	8
3	7	129	96	22	10	nomb.	Moteurs à gaz et à pétrole	9
516	2, 115	36, 074	13, 981	7, 566	912	h.p.	Capacité totale	10
2, 950, 381	540, 370	361, 660	310, 511	798, 856	12, 538	kva.	Capacité des dynamos	11
26.46	4.85	3.24	2.79	7.17	0.11	—	Pourcentage du total pour le Canada	12
382	49	139	124	89	14	nomb.	Dynamos, C. A.	13
2, 950, 266	540, 370	361, 387	310, 383	798, 786	12, 538	kva.	Capacité totale	14
2	—	17	8	2	—	nomb.	Dynamos, C. D.	15
115	—	273	128	70	—	kw.	Capacité totale	16
Centrales commerciales								
438, 860	393, 845	158, 942	250, 624	732, 061	3, 362	h.p.	Total, énergie primaire	17
5.81	5.22	2.11	3.32	9.70	0.04	—	Pourcentage du total pour le Canada	18
112	12	7	15	44	2	nomb.	Turbines et roues hydrauliques	19
393, 074	393, 000	109, 800	205, 900	722, 770	2, 450	h.p.	Capacité totale	20
—	—	—	2	—	—	nomb.	Machines à vapeur, à mouvement alternatif	21
—	—	—	408	—	—	h.p.	Capacité totale	22
4	—	4	7	4	—	nomb.	Turbines à vapeur	23
45, 750	—	47, 998	31, 350	7, 970	—	h.p.	Capacité totale	24
1	4	27	91	14	10	nomb.	Moteurs à gaz et à pétrole	25
36	845	1, 144	12, 966	1, 321	912	h.p.	Capacité totale	26
380, 727	276, 775	133, 269	209, 052	644, 152	2, 538	kva.	Capacité des dynamos	27
6.02	4.37	2.11	3.30	10.18	0.04	—	Pourcentage du total pour le Canada	28
117	16	22	108	61	12	nomb.	Dynamos, C. A.	29
380, 727	276, 775	133, 095	208, 924	644, 082	2, 538	kva.	Capacité totale	30
—	—	10	8	2	—	nomb.	Dynamos, C. D.	31
—	—	174	128	70	—	kw.	Capacité totale	32
Centrales municipales								
3, 222, 072	316, 270	272, 301	116, 515	180, 550	11, 350	h.p.	Total, énergie primaire	33
55.63	5.46	4.70	2.01	3.12	0.19	—	Pourcentage du total pour le Canada	34
265	30	—	—	20	2	nomb.	Turbines et roues hydrauliques	35
3, 221, 592	315, 000	—	—	174, 305	11, 350	h.p.	Capacité totale	36
—	—	1	—	—	—	nomb.	Machines à vapeur, à mouvement alternatif	37
—	—	750	—	—	—	h.p.	Capacité totale	38
—	—	23	11	—	—	nomb.	Turbines à vapeur	39
—	—	236, 621	115, 500	—	—	h.p.	Capacité totale	40
2	3	102	5	8	—	nomb.	Moteurs à gaz et à pétrole	41
480	1, 270	34, 930	1, 015	6, 245	—	h.p.	Capacité totale	42
2, 569, 654	263, 595	228, 391	101, 459	154, 704	10, 000	kva.	Capacité des dynamos	43
53.29	5.47	4.74	2.10	3.21	0.21	—	Pourcentage du total pour le Canada	44
265	33	117	16	28	2	nomb.	Dynamos, C. A.	45
2, 569, 539	263, 595	228, 292	101, 459	154, 704	10, 000	kva.	Capacité totale	46
2	—	7	—	—	—	nomb.	Dynamos, C. D.	47
115	—	99	—	—	—	kw.	Capacité totale	48
Centrales hydrauliques								
2, 912, 816	538, 500	93, 000	166, 165	785, 298	11, 818	kva.	Capacité totale des dynamos	49
27.80	5.14	0.89	1.59	7.50	0.11	—	Pourcentage du total pour le Canada	50
375	42	7	15	63	4	nomb.	Dynamos, C. A.	51
2, 912, 701	538, 500	93, 000	166, 165	785, 228	11, 818	kva.	Capacité totale	52
2	—	—	—	2	—	nomb.	Dynamos, C. D.	53
115	—	—	—	70	—	kw.	Capacité totale	54
Centrales thermiques								
37, 565	1, 870	268, 660	144, 346	13, 558	720	kva.	Capacité total des dynamos	55
5.58	0.28	39.90	21.44	2.01	0.11	—	Pourcentage du total pour le Canada	56
7	7	132	109	26	10	nomb.	Dynamos, C. A.	57
37, 565	1, 870	268, 387	144, 218	13, 558	720	kva.	Capacité totale	58
—	—	17	8	—	—	nomb.	Dynamos, C. D.	59
—	—	273	128	—	—	kw.	Capacité totale	60

1. L'outillage générateur du Yukon et des Territoires du Nord-Ouest paraît en majeure partie dans l'industrie de l'extraction minière et de la fonte des métaux.

TABLE 12. Electric Energy Generated, 1952

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
All Stations							
1	Total Kilowatt Hours Generated ('000)	59,409,198	233,291	35,879	964,771	752,887	32,112,878
2	Per cent of total for Canada	100.00	0.39	0.06	1.62	1.27	54.05
3	Kilowatt hours generated by non-generating stations ('000)	1,301	—	—	—	631	—
4	Kilowatt hours generated by generating stations ('000)	59,407,897	233,291	35,879	964,771	752,256	32,112,878
5	Kva.capacity of generating stations	11,829,522	62,462	17,375	284,098	184,893	5,730,457
6	Ratio of output to maximum capacity (p.c.)	57.33	42.64	23.57	38.77	46.45	63.97
7	Average kilowatt hours per kva	5,022	3,735	2,065	3,396	4,069	5,604
Generating Stations							
Commercial:							
Total							
8	Kilowatt hours generated ('000)	32,882,557	229,916	28,706	569,097	442,789	24,189,302
9	Kva.capacity	6,427,391	60,826	13,774	166,646	84,800	4,407,456
10	Ratio of output to maximum capacity (p.c.)	58.40	43.15	23.79	38.98	59.61	62.65
11	Average kilowatt hours per kva	5,116	3,780	2,084	3,415	5,222	5,488
Hydraulic Stations							
12	Kilowatt hours generated ('000)	32,359,500	229,916	879	294,033	435,350	24,178,981
13	Kva.capacity	6,184,280	60,826	481	71,963	83,800	4,403,279
14	Ratio of output to maximum capacity (p.c.)	59.74	43.15	20.86	46.64	59.30	62.68
15	Average kilowatt hours per kva	5,233	3,780	1,827	4,086	5,195	5,491
Thermal Stations							
16	Kilowatt hours generated ('000)	523,057	—	27,827	275,064	7,439	10,321
17	Kva.capacity	243,111	—	13,293	94,683	1,000 ³	4,177
18	Ratio of output to maximum capacity (p.c.)	24.57	—	23.89	33.16	—	28.21
19	Average kilowatt hours per kva	2,152	—	2,093	2,905	—	2,471
Municipal:							
Total							
20	Kilowatt hours generated ('000)	26,525,340	3,375	7,173	395,674	309,467	7,923,576
21	Kva.capacity	5,402,131	1,636	3,601	117,452	100,093	1,323,001
22	Ratio of output to maximum capacity (p.c.)	56.05	23.55	22.74	38.46	35.30	63.37
23	Average kilowatt hours per kva	4,910	2,063	1,992	3,369	3,092	5,989
Hydraulic Stations							
24	Kilowatt hours generated ('000)	25,442,080	—	—	395,674	25,528	7,923,265
25	Kva.capacity	4,971,841	—	—	117,452	11,801	1,323,001
26	Ratio of output to maximum capacity (p.c.)	58.41	—	—	38.46	24.69	68.37
27	Average kilowatt hours per kva	5,117	—	—	3,369	2,163	5,989
Thermal Stations							
28	Kilowatt hours generated ('000)	1,083,260	3,375	7,173	—	283,939	311
29	Kva.capacity	430,290	1,636	3,601	—	88,292	3
30	Ratio of output to maximum capacity (p.c.)	28.74	23.55	22.74	—	36.71	—
31	Average kilowatt hours per kva	2,518	2,063	1,992	—	3,216	—
Hydraulic Stations							
32	Kilowatt hours generated ('000)	57,801,580	229,916	879	689,707	460,878	32,102,246
33	Kva.capacity	11,156,121	60,826	481	189,415	95,601	5,726,280
34	Ratio of output to maximum capacity (p.c.)	59.14	43.15	20.86	41.56	55.03	64.00
35	Average kilowatt hours per kva	5,181	3,780	1,827	3,641	4,821	5,606
36	Kilowatt hours generated by water power ('000)	57,023,530	228,875	509	461,296	455,500	32,097,032
37	Kilowatt hours generated by auxiliary plants ('000)	778,050	1,041	370	228,411	5,378	5,214
Thermal Stations							
38	Kilowatt hours generated ('000)	1,606,317	3,375	35,000	275,064	291,378	10,632
39	Kva.capacity	673,401	1,636	16,894	94,683	89,292	4,177
40	Ratio of output to maximum capacity (p.c.)	27.23	23.55	23.65	33.16	37.25	29.05
41	Average kilowatt hours per kva	2,385	2,063	2,072	2,905	3,263	2,545
Consumption of Electric Energy ('000):							
42	Total kilowatt hours generated	59,409,198	233,291	35,879	964,771	752,887	32,112,878
43	Kilowatt hours imported from the United States	19,985	—	—	—	3	500
44	Kilowatt hours imported from other provinces	—	—	—	—	16,981	8,678
45	Kilowatt hours exported to the United States	2,493,210	—	—	—	41,459	14,836 ²
46	Kilowatt hours exported to other provinces	—	—	—	5,642	—	5,661,848
47	Kilowatt Hours for Consumption in Canada ('000)	56,935,973	233,291	35,879	958,129	728,412	26,445,372
48	Domestic service	8,741,182	61,577	11,954	180,712	122,859	1,680,591
49	Commercial light	3,489,248	22,923	10,928	85,315	61,089	860,104
50	Small power	792,646	8,175	952	25,120	35,223	161,971
51	Large power	36,759,550	110,416	5,445	528,507	437,981	21,561,288
52	Municipal power	796,117	1,049	859	4,119	3,820	192,910
53	Street lighting	348,246	3,823	620	8,796	8,777	70,157
54	Free service (other than street lighting)	71,577	446	156	302	776	48,956
55	Losses	5,937,407	24,877	4,963	115,258	56,872	1,369,395

1. Excludes exports to other provinces and/or to the United States.

2. Exports of 650,142,000 kw. hrs. of Quebec power to U.S.A. through Ontario are credited to Ontario (See page // for explanation.).

3. Generating equipment is located mainly in other industries.

TABLEAU 12. Énergie électrique produite, 1952

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.		No
Toutes centrales							
17,297,526	2,699,246	1,079,309	1,174,002	2,987,261	72,148	Total kwh produits (milliers).....	1
29.12	4.54	1.82	1.98	5.03	0.12	Pourcentage du total national.....	2
643	—	—	—	—	27	Kwh. produits par les usines non-génératrices (milliers).....	3
17,296,883	2,699,246	1,079,309	1,174,002	2,987,261	72,121	Kwh. produits par les usines génératrices (milliers).....	4
3,447,447	554,120	361,660	327,173	846,786	13,051 ³	Capacité des usines génératrices en kva.....	5
57.27	55.60	34.06	40.96	40.27	—	Proportion de la production à la capacité maximum (%).....	6
5,017	4,871	2,984	3,588	3,528	—	Moyenne de kwh par kva.....	7
Génératrices							
Commerciales:							
Total							
1,818,253	1,668,565	625,353	851,157	2,424,192	35,227	Kwh. produits (milliers).....	8
384,914	276,775	133,269	225,714	670,679	2,538 ³	Capacité en kva.....	9
53.93	68.82	53.56	43.05	41.27	—	Proportion de la production à la capacité maximum (%).....	10
4,724	6,029	4,692	3,771	3,615	—	Moyenne de kwh. par kva.....	11
Centrales hydrauliques							
1,805,992	1,666,378	544,447	760,977	2,408,062	34,485	Kwh. produits (milliers).....	12
347,749	276,000	93,000	182,827	662,537	1,818 ³	Capacité en kva.....	13
59.28	68.93	66.83	47.51	41.50	—	Proportion de la production à la capacité maximum (%).....	14
5,193	6,038	5,854	4,162	3,635	—	Moyenne de kwh. par kva.....	15
Centrales thermiques							
12,261	2,187	80,906	90,180	16,130	742	Kwh. produits (milliers).....	16
37,165	775	40,269	42,887	8,142	720 ³	Capacité en kva.....	17
—	32.21	22.93	24.01	22.61	—	Proportion de la production à la capacité maximum (%).....	18
—	2,822	2,009	2,103	1,981	—	Moyenne de kwh. par kva.....	19
Municipales:							
Total							
15,478,630	1,030,681	453,956	322,845	563,069	36,894	Kwh. produits (milliers).....	20
3,062,533	277,345	228,391	101,459	176,107	10,513	Capacité en kva.....	21
57.69	42.42	22.69	36.32	36.50	40.06	Proportion de la production à la capacité maximum (%).....	22
5,054	3,716	1,988	3,182	3,197	3,509	Moyenne de kwh. par kva.....	23
Centrales hydrauliques							
15,476,710	1,028,569	—	—	555,440	36,894	Kwh. produits (milliers).....	24
3,062,133	276,250	—	—	170,691	10,513	Capacité en kva.....	25
57.70	42.50	—	—	37.15	40.06	Proportion de la production à la capacité maximum (%).....	26
5,054	3,723	—	—	3,254	3,509	Moyenne de kwh. par kva.....	27
Centrales thermiques							
1,920	2,112	453,956	322,845	7,629	—	Kwh. produits (milliers).....	28
400	1,095	228,391	101,459	5,416	—	Capacité en kva.....	29
54.79	22.02	22.69	36.32	16.08	—	Proportion de la production à la capacité maximum (%).....	30
4,800	1,929	1,988	3,182	1,409	—	Moyenne de kwh. par kva.....	31
Toutes centrales hydrauliques							
17,282,702	2,694,947	544,447	760,977	2,963,502	71,379	Kwh. produits (milliers).....	32
3,409,882	552,250	93,000	182,827	833,228	12,331	Capacité en kva.....	33
57.85	55.71	66.83	47.51	40.61	66.08	Proportion de la production à la capacité maximum (%).....	34
5,068	4,880	5,854	4,162	3,557	5,789	Moyenne de kwh. par kva.....	35
16,857,454	2,694,924	544,447	760,296	2,852,359	70,838	Kwh. produits par énergie hydraulique (milliers).....	36
425,248	23	—	681	111,143	541	Kwh. produits par les centrales auxiliaires (milliers).....	37
Toutes centrales thermiques							
14,181	4,299	534,862	413,025	23,759	742	Kwh. produits (milliers).....	38
37,565	1,870	268,660	144,346	13,558	720	Capacité en kva.....	39
—	26.24	22.73	32.66	20.00	11.77	Proportion de la production à la capacité maximum (%).....	40
—	2,299	1,991	2,861	1,752	1,031	Moyenne de kwh. par kva.....	41
Consommation d'énergie électrique (milliers):							
17,297,526	2,699,246	1,079,309	1,174,002	2,987,261	72,148	Total, kwh. produits.....	42
—	723	104	345	18,310	—	Kwh. importés des États-Unis.....	43
5,651,509	501,723	960	3,521	6,361	—	Kwh. importés d'autres provinces.....	44
2,226,863 ²	6	—	—	210,046	—	Kwh. exportés aux États-Unis.....	45
8,678	960	501,723	6,361	3,521	—	Kwh. exportés à d'autres provinces.....	46
Kwh. consommés au Canada (milliers):							
20,713,494	3,200,726	578,650	1,171,507	2,798,365	72,148	Total.....	47
4,639,536	825,457	184,074	233,236	788,168	3,118	Service ménager.....	48
1,602,981	216,755	96,839	154,751	374,645	2,915	Éclairage commercial.....	49
280,847	82,526	45,951	80,442	68,571	863	Petite énergie.....	50
10,673,502	1,614,310	114,207	503,977	1,154,946	54,967	Grosse énergie.....	51
416,361	131,619	11,840	22,984	4,625	5,731	Énergie (municipale).....	52
164,548	28,498	11,592	16,811	34,421	193	Éclairage des rues.....	53
12,090	495	5,803	1,753	557	—	Service gratuit (autre que l'éclairage des rues).....	54
2,923,629	300,866	113,004	153,503	371,236	3,804	Pertes.....	55

1. Sans les exportations par d'autres provinces et/ou aux États-Unis.

2. L'exportation de 650,142,000 kwh d'énergie du Québec aux É.-U. en passant par l'Ontario est attribuée à l'Ontario. (Voir explication, page 17.)

3. L'outillage générateur est situé principalement dans d'autres industries.

TABLE 13. Fuel Used to Develop Power, 1952

No.		Bituminous Coal — Charbon Bitumineux			
		Canadian — canadien		Imported — importé	
		Quantity — Quantité	Value — Valeur	Quantity — Quantité	Value — Valeur
		Tons — tonnes	\$	Tons — tonnes	\$
1	Canada	333,587 ¹	6,925,454	129,975	1,165,908
2	Newfoundland	—	—	—	—
3	Prince Edward Island	36	1,047	—	—
4	Nova Scotia	313,380	2,988,103	—	—
5	New Brunswick	221,993	1,993,256	—	—
6	Quebec	1,775	21,742	—	—
7	Ontario	82,977 ¹	685,019	129,975	1,165,908
8	Manitoba	—	—	—	—
9	Saskatchewan	201,527 ¹	899,818	—	—
10	Alberta	14,041 ¹	43,189	—	—
11	British Columbia	47,803 ¹	293,280	—	—
12	Yukon and Northwest Territories	—	—	—	—
		Fuel Oil and Diesel Oil Mazout et huile diesel		Manufactured Gas Gaz fabriqué	
		Quantity — Quantité	Value — Valeur	Quantity — Quantité	Value — Valeur
		Gal.	\$	'000 cu. ft. — pds. cu.	\$
13	Canada	35,344,098	3,826,886	7,261,418	216,818
14	Newfoundland	348,832	70,467	—	—
15	Prince Edward Island	3,312,972	355,804	—	—
16	Nova Scotia	709,851	128,830	7,261,303	216,554
17	New Brunswick	800,606	154,127	—	—
18	Quebec	1,008,382	214,199	—	—
19	Ontario	904,629	166,219	115	264
20	Manitoba	308,271	56,400	—	—
21	Saskatchewan	20,867,577	1,475,339	—	—
22	Alberta	1,620,944	270,675	—	—
23	British Columbia	5,326,959	897,979	—	—
24	Yukon and Northwest Territories	135,075	36,847	—	—

1. Includes sub-bituminous coal.

Note: Tons = 2,000 lbs.

Gallons = Imperial.

TABLEAU 13. Combustible employé pour la production d'énergie

Lignite Coal — Charbon Lignite		Gasoline — Essence			No
Canadian — canadien					
Quantity — Quantité	Value — Valeur	Quantity — Quantité	Value — Valeur		
Tons — tonnes	\$	Gal.	\$		
294,040	606,583	10,161	2,950	Canada	1
—	—	592	160	Terre-Neuve	2
—	—	3,710	983	Île-du-Prince-Édouard	3
—	—	—	—	Nouvelle-Écosse	4
—	—	—	—	Nouveau-Brunswick	5
—	—	60	30	Québec.....	6
1,205	6,146	3,200	1,056	Ontario.....	7
—	—	—	—	Manitoba	8
175,565	392,278	1,007	364	Saskatchewan	9
117,270	208,159	1,415	311	Alberta.....	10
—	—	177	46	Colombie-Britannique	11
—	—	—	—	Yukon et Territoires du Nord-Ouest	12
Natural Gas — Gaz naturel		Other Fuel — Autre combustible	Total Value — Valeur totale		
Quantity — Quantité	Value — Valeur	Value — Valeur			
'000 cu. ft. — pds. cu.	\$	\$	\$		
4,765,456	595,762	80,202	13,420,563	Canada.....	13
—	—	—	70,627	Terre-Neuve	14
—	—	—	357,834	Île-du-Prince-Édouard	15
—	—	113	3,333,600	Nouvelle-Écosse	16
—	—	—	2,147,383	Nouveau-Brunswick	17
—	—	—	235,971	Québec.....	18
—	—	—	2,024,612	Ontario.....	19
—	—	27,669	84,069	Manitoba	20
137,620	16,759	—	2,784,558	Saskatchewan	21
4,564,383	556,688	—	1,079,022	Alberta.....	22
63,453	22,315	52,420	1,266,040	Colombie-Britannique	23
—	—	—	36,847	Yukon et Territoires du Nord-Ouest	24

1. Y compris la houille maigre.

Nota: Tonne = 2,000 livres.
Gallon = Impérial.



CANADA

Electric power statistics

CENTRAL ELECTRIC STATIONS

CENTRALES ÉLECTRIQUES

1953



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CENTRAL ELECTRIC STATIONS

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CENTRAL ELECTRIC STATIONS

CENTRALES ÉLECTRIQUES

1953

For purposes of the annual census, central electric stations are defined as companies, municipalities, or individuals selling or distributing electric energy, whether generated by themselves or purchased for resale. The stations are divided into two classes according to ownership, viz., (a) privately owned,—those operated by companies or individuals, and (b) publicly-owned,—those operated by municipal, provincial or federal governments. The stations are also divided according to operation into (a) generating, those stations generating power which they sell (many of them also purchase power to supplement their own output), and (b) non-generating, those stations which purchase practically all the power they sell. In this last class there were 11 stations which were holding thermal generating equipment. Eight of them purchased all their electric energy and the remaining three generated 4,358,000 kilowatt hours during 1953. This results in the rather anomalous item in table 10 purporting to show the output of "non-generating" stations.

Included in the report are statistics covering a few stations concerned primarily with other industries, such as mining, manufacturing of pulp and paper, etc., which sell surplus power. For such plants the statistics pertaining to the central electric station phase of the industry have been segregated as far as possible. Equipment, which is not used primarily for the Central Electric Station Industry, is not shown in the current report, accounting for the drop in the number of units listed for commercial stations as compared with years prior to 1947 and a rise in some provinces in the average number of kw. hrs. generated per kva. as shown in table 10. This applies especially in Saskatchewan, Alberta and in the Yukon and Northwest Territories.

Stations are allowed to file returns for their fiscal years, which are not calendar years in all cases. Consequently, the output as recorded in this annual report will not necessarily coincide with the output for the twelve calendar months shown in the monthly reports. The various data, however, in the annual reports are for comparable periods. Moreover, the monthly report does not include statistics for the smaller stations and shows the net amount of power generated¹ by reporting stations, whereas the annual report excludes all power for company use. For long term comparability, the monthly report retains the West Kootenay plants which were dropped from the annual in 1947, as their entire output was taken over by the purchasing company and is reported under the metal smelting and refining industry.

Primary power, also known in the industry as "firm power", is power delivered as and when required by the customer. During 1953, primary power consumed in Canada (including all line losses) increased from 53,193,006,000 kilowatt hours in 1952 to 57,063,045,000, a rise of 7 per cent, while the consumption of secondary power dropped from 3,742,967,000 kilowatt hours in 1952 to 3,554,489,000 or by 5 per cent.

Secondary power is off-peak or surplus power delivered as available. Secondary power is subject to interruption or variation daily and seasonally and, consequently, is often sold at relatively low rates. The net output of electric energy for secondary use in Canada each month is shown in the following table:

Aux fins du recensement annuel, les centrales électriques sont considérées comme des compagnies, municipalités ou particuliers qui vendent ou distribuent de l'énergie électrique produite par eux-mêmes ou achetée pour la revente. Les centrales sont divisées en deux catégories: a) de propriété privée,—centrales exploitées par des compagnies ou des particuliers, et b) de propriété publique,—centrales exploitées par les gouvernements municipaux, provinciaux ou fédéral. Elles sont aussi réparties selon leurs fonctions: a) stations génératrices, c.-à-d. celles qui produisent l'énergie qu'elles vendent (plusieurs d'entre elles achètent aussi de l'énergie pour suppléer à leur propre production) et b) stations non génératrices, c.-à-d. celles qui achètent presque toute l'énergie qu'elles vendent. Cette dernière catégorie comprenait 11 stations pourvues d'outillage générateur thermique. Huit d'entre elles achetaient toute leur énergie électrique; les trois autres n'ont produit ensemble que 4,358,000 kilowatt-heures en 1953, d'où le poste plutôt irrégulier qui a trait, au tableau 10, à la production des centrales "non génératrices".

Le présent rapport renferme aussi des statistiques sur les quelques centrales dont l'exploitation se rattache étroitement à l'extraction minière, à la fabrication de la pulpe et du papier, etc., et qui vendent un excédent d'énergie. On a fait autant que possible, pour ces usines, la part des données qui portent sur les aménagements d'énergie électrique de l'industrie. L'outillage qui n'est pas absolument pertinent à l'industrie des centrales électriques n'apparaît pas dans le présent rapport; cela explique la diminution des unités au poste des centrales commerciales au regard des années antérieures à 1947, de même que la hausse, dans certaines provinces, du nombre moyen de kwh produit par kVa, au tableau 10. Cela s'applique spécialement à la Saskatchewan, à l'Alberta, au Yukon et aux Territoires du Nord-Ouest.

Les centrales peuvent faire rapport pour leur année financière qui n'est pas toujours l'année civile. Ainsi, la production indiquée dans le présent rapport ne coïncidera pas nécessairement avec celle que les rapports mensuels donnent pour les douze mois civils. Cependant, les diverses données des rapports annuels portent sur des périodes correspondantes. De plus, le rapport mensuel ne renferme pas de statistiques sur les petites centrales mais il indique la quantité nette d'énergie¹ produite par les centrales faisant rapport, tandis que le rapport annuel exclut toute l'énergie utilisée par la compagnie qui la produit. Pour fins de comparaison, le rapport mensuel mentionne toujours les centrales de West-Kootenay, centrales que le rapport annuel a mises de côté en 1947 quand leur production entière a été achetée par une compagnie; cette production est maintenant comprise à l'article de l'industrie de la fonte et du raffinage des métaux.

L'énergie primaire, aussi appelée "énergie ferme" dans l'industrie, est celle qui est livrée au consommateur sur demande. La consommation d'énergie primaire au Canada (y compris les pertes de transmission) est passée de 53,193,006,000 kwh en 1952 à 57,063,045,000 kwh en 1953, augmentation de 7 p. 100; d'autre part, celle d'énergie secondaire est tombée de 3,742,967,000 kwh à 3,554,489,000, soit un recul de 5 p. 100.

L'énergie secondaire est l'énergie hors-pointe ou en excédent livrée à mesure qu'elle devient disponible. Elle est sujette à des interruptions ou variations quotidiennes et saisonnières qui la font vendre souvent à des prix relativement bas. Le tableau suivant donne la production nette d'énergie électrique secondaire, par mois, au Canada:

1. Output less station use.

1. Production, moins quantité utilisée par la centrale.

Secondary Power for use in Canada

(based on Monthly Reports)

Énergie secondaire disponible au Canada

(D'après les rapports mensuels)

Month	1949	1950	1951	1952	1953	Mois
('000 kw. hrs. — En milliers de kwh.)						
January	143,678	169,819	244,145	274,286	335,866	Janvier
February	136,002	194,374	228,816	264,343	377,424	Février
March	157,140	209,277	294,631	278,537	430,918	Mars
April	453,584	223,511	460,210	324,539	614,224	Avril
May	499,246	422,344	491,704	470,714	567,158	Mai
June	382,419	439,123	240,981	407,027	273,798	Juin
July	199,735	327,276	186,456	281,350	198,308	Juillet
August	124,006	200,387	121,216	307,743	115,562	Août
September	137,703	127,020	128,290	249,117	135,588	Septembre
October	228,065	153,273	206,104	318,200	166,852	Octobre
November	189,875	171,910	261,983	266,433	162,759	Novembre
December	188,529	255,070	272,175	300,678	176,032	Décembre
Total	2,839,982	2,893,384	3,136,711	3,742,967	3,554,489	Total

Distribution and Consumption

For the following table, data covering the first 7 groups were taken from the industrial census reports on the industries. "Other Manufacturing" includes figures reported by about 170 industries; "Other industries" is computed by deduction. Ferro-alloys and steel furnaces are included under the heading of Primary Iron and Steel, which also covers pig iron and rolling mills.

Distribution et consommation

Dans le tableau suivant, les données des sept premiers groupes ont été tirées des rapports du recensement de l'industrie. "Autres manufactures" comprend les chiffres soumis par quelque 170 industries; "Autres industries" est calculé par déduction. Les industries des fourneaux de ferro-alliages et d'acier sont comprises dans le groupe du fer et de l'acier primaires, groupe qui renferme aussi les fonderies et les lamineries.

Distribution and Consumption of Electric Energy Generated, 1953

(thousands of Kilowatt Hours)

Distribution et consommation de l'énergie électrique produite, 1953

(en milliers de kwh.)

Industries	Central Electric Station Power Purchased — Énergie achetée des centrales	Power Generated by the Industries for own use — Énergie produite par les industries pour leur propre usage	Industries
Pulp and Paper	10,442,102	4,273,112	Pulpe et papier
Primary Iron and Steel	1,759,908	167,522	Fer et acier primaires
Artificial Abrasives and Abrasive Products	1,029,784	—	Abrasifs artificiels et produits
Chemicals, industrial (acids, alkalis & salts)	1,985,845	275,563	Produits chimiques industriels (acides, alcalis et sels)
Metal, Smelting and Refining	12,296,862	790,116	Fonde et raffinage des métaux
Other Manufacturing	6,511,634	1,395,130	Autres manufactures
Total manufacturing	34,026,135	6,901,443	Total, industrie manufacturière
Mining	2,566,641	215,337	Mines
Other Industries	2,456,886	...	Autres industries
Domestic Service (Residential)	9,877,727	...	Service ménager (résidentiel)
Commercial Lighting	3,881,423	...	Éclairage commercial
Municipal Power	815,083	...	Énergie municipale
Street Lighting	379,815	...	Éclairage des rues
Free Service	69,596	...	Service gratuit
Exports to U.S.A.	2,424,030	...	Exportations aux É.-U.
Losses	6,363,591	...	Pertes
Total output of central electric stations	62,860,927	...	Production totale

... Not applicable. — Ne s'appliquent pas.

Exports and Imports

Following is a table showing the quantities of power exported and imported for the calendar years 1952 and 1953. The export data for this table were compiled from the reports of the Director of the Standards Branch, Department of Trade and Commerce. Import data were available from central electric stations reports.

Exportations et importations

Le tableau suivant donne la quantité d'énergie exportée et importée durant les années civiles 1952 et 1953. Les chiffres des exportations ont été calculés d'après les rapports du Directeur de la Division des standards du ministère du Commerce. Ceux des importations ont été tirés des rapports des centrales électriques.

Exports and Imports of Electricity

(To and from United States)

Exportations et importations d'électricité

(Échanges avec les États-Unis)

Company — Compagnie	Exported	Imported	Exported	Imported
	— Exportée 1952	— Importée 1952	— Exportée 1953	— Importée 1953
('000 Kw. Hrs. — En milliers de kwh.)				
Hydro Electric Power Commission of Ontario	374, 772	—	352, 129	174, 477
Hydro Electric Power Commission of Ontario (surplus) — Niagara	419, 950	—	473, 096	—
Hydro Electric Power Commission of Ontario (surplus) — Cornwall	324, 928	—	142, 970	—
Canadian Niagara Power Company, Ltd.	321, 188	—	316, 641	—
Canadian Niagara Power Company, Ltd. (surplus)	93, 218	—	69, 899	—
Ontario Minnesota Power Company	42, 312	—	44, 212	—
Detroit and Windsor Subway Company	352	—	360	—
Quebec Hydro Commission (via Cedar Rapids Transmission)	650, 142	—	645, 411	—
Southern Canada Power Company	3, 220	—	3, 787	—
Southern Canada Power Company (surplus)	11, 616	—	28, 777	—
Maine and New Brunswick Electric Power Company	27, 610	—	28, 666	—
Maine and New Brunswick Electric Power Company (surplus)	4, 956	—	4, 439	—
Fraser Companies Limited	8, 893	—	7, 864	—
British Columbia Electric Company, Ltd.	209, 982	18, 310	308, 695	4, 165
Shawinigan Water & Power Company	—	178	—	158
Mississquoi Stone and Marble Company	—	200	—	239
Town of Emerson — Ville d'Emerson	—	723	—	804
Southern Utilities Company, Ltd.	—	345	—	345
Other	71	229	84	449
Total	2, 493, 210	19, 985	2, 424, 030	180, 637

TABLE 1 — (pages 14-15). Comparative Summary, 1939-1953

Generation by all reporting stations during 1953 totalled 62,860,927,000 kilowatt hours, of which 2,424,030,000 were exported to the United States. Imports amounted to 180,637,000 kilowatt hours, mainly into Ontario. Private stations generated 34,413,349,000 kilowatt hours compared with 32,883,227,000 in 1952, while publicly-owned stations accounted for 28,447,578,000 or 45.3 per cent of the national total against 44.6 per cent in the preceding year. New installations contributed to the general advance over 1952. Of the total Canadian output, 58,926,462,000 kilowatt hours or 94 per cent were produced from water power, whereas 1,787,449,000 kilowatt hours were produced by plants using thermal power only. In addition, 2,147,016,000 kilowatt hours were generated by thermal equipment in hydraulic and in non-generating stations.

The number of generating stations dropped in 1953 to 524. The decrease was largely due to small central electric stations closing down or being merged with other companies or consolidated under commission authority, particularly in Saskatchewan. Some plants, which were considered as main thermal generating plants, in British Columbia, Nova Scotia and Ontario, are now included under the heading "Thermal Plants operated by Hydraulic and Non-generating Systems".

Pole line mileage continued to advance steadily, aggregating 213,176 miles as compared with 190,316 miles in 1952 and 72,132 in 1939. Customers numbered 3,817,281, an increase of 196,686 or 5.4 per cent over 1952 and 96.6 per cent over the 1939 figure. In the same span, the population of

TABLEAU 1 — (pages 14-15). Résumé comparatif, 1939-1953

La production totale des centrales faisant rapport a atteint 62,860,927,000 kwh en 1953, dont 2,424,030,000 ont été exportées aux États-Unis. Les importations, surtout par l'Ontario, se sont chiffrées par 180,637,000 kwh. Les centrales privées ont produit 34,413,349,000 kwh contre 32,883,227,000 en 1952, tandis que les centrales publiques ont été comptables de 28,447,578,000 ou de 45.3 p. 100 du total national contre 44.6 p. 100 l'année précédente. Les nouveaux aménagements ont contribué à cette avance sur 1952. De la production canadienne totale, 58,926,462,000 kwh ou 94 p. 100 ont été générés par l'énergie hydraulique, 1,787,449,000 kwh par des centrales qui ne produisaient que de l'énergie thermique. En outre, 2,147,016,000 kwh ont été produits au moyen d'outillage thermique dans des centrales hydrauliques et dans des centrales non génératrices.

Le nombre de centrales génératrices est tombé à 524 en 1953. Cette diminution est due en grande partie à la fermeture de petites centrales ou à la fusion de ces centrales avec d'autres compagnies, ou encore, à leur réunion sous une même commission, surtout en Saskatchewan. Certaines centrales, considérées comme centrales thermiques et génératrices principales en Colombie-Britannique, en Nouvelle-Écosse et en Ontario sont maintenant comprises sous la rubrique "Centrales thermiques des réseaux hydrauliques et non générateurs".

La longueur des lignes sur poteaux a continué de s'accroître pour atteindre 213,176 milles contre 190,316 en 1952 et 72,132 en 1939. Les usagers se sont chiffrés par 3,817,281, avance de 196,686 ou de 5.4 p. 100 sur 1952 et de 96.6 p. 100 sur 1939. Durant la même période, la population du Canada a

Canada rose over 31 per cent. Domestic (including farm) customers represented 86 per cent of the national total in 1953.

Revenues received by central electric stations over the 15 year period, 1939 to 1953, rose from \$151,880,969 to \$469,047,351, an increase of 208.8 per cent, while electric energy generated advanced from 28,338 million kilowatt hours to 62,861 million or 122 per cent. The number of customers served also rose appreciably in all classes, with domestic consumers, including farm service, numbering 3,283,486 in 1953, an increase of 102 per cent over the 15 year period. Average consumption by domestic customers was more than double the 1939 average. With the steady expansion of publicly-owned facilities, municipal, provincial and federal systems secured 59.2 per cent of total revenues in 1953 as compared with 39.1 per cent in 1939. Revenues reported by all distributors from domestic service totalled \$168,271,169 in 1953 against \$144,650,270 in 1952 and \$43,793,482 in 1939. Commercial lighting produced \$80,685,754 or \$9,151,123 more than in 1952 while large power users, such as paper mills, smelters and factories, paid \$185,357,865 compared with \$169,938,350 in the previous year. Publicly-owned stations purchased, however, a considerable part of the output of private stations at wholesale and distributed it to their widespread customers. This is particularly true of Western Quebec where private stations, such as Gatineau Power and MacLaren, deliver a large part of their production across the Ottawa River to the Ontario Hydro-Electric Power Commission system. Revenues of public stations amounted to \$277,530,754 in 1953 as compared with \$191,516,597 for private stations and the public group had over twice as many customers as the private.

Expenses reported, which include four items only (wages, fuel, taxes and cost of power purchased) advanced from \$278,036,006 in 1952 to \$317,669,816 in 1953. Reported taxes were down \$42,975 to \$47,367,243. Details which are shown on page 10, indicate a rise in provincial taxes paid by both private and public stations. Salaries and wages totalled \$115,652,039 against \$102,165,917¹ as the number of employees rose to 49,169. The cost of purchased power (interchanged between stations) increased from \$115,039,308 in 1952 to \$134,853,180. Fuel costs rose from \$13,420,563 to \$19,797,354, a rise of 47 per cent.

The total capacity of primary equipment in central electric plants registered an increase of over 10 per cent from 1952, advancing 1,439,231 to 15,661,037 horse power. Primary here signifies water wheels and turbines, steam and internal combustion engines used to operate generators, which in turn are classed as secondary power equipment. The increase in total secondary capacity was 10.4 per cent over the 1952 figure.

TABLE 2 — (pages 16-17). Electric Power Plants

Generating stations are the individual power plants of the central electric organizations. Each building housing power-producing machinery is counted as a generating plant. Thermal power plants operated by hydraulic or non-generating systems are not included as generating plants.

Of the 524 generating plants reporting operations during 1953, 340 were hydraulic, principally in Ontario, Quebec and Nova Scotia, while 184 were thermal situated mainly in Saskatchewan and Alberta. It is important to note that the hydraulic stations along with thermal plants operated by

1. Revised.

Note. Some comparisons with years previous to 1947 are affected by the Consolidated Mining and Smelting Company taking over the West Kootenay central electric plants 2, 3, 4 and 5 in British Columbia and absorbing the plants and their output as part of the mining and smelting industrial group.

augmenté de plus de 31 p. 100. Les usagers ménagers (y compris les usagers agricoles) représentaient 86 p. 100 du total national en 1953.

De 1939 à 1953, les recettes des centrales électriques sont passées de \$151,880,969 à \$469,047,351, augmentation de 208.8 p. 100, tandis que la production d'énergie électrique est passée de 28,338 millions de kwh à 62,861 millions, avance de 122 p. 100. Les usagers de toutes les catégories ont aussi augmenté de façon appréciable; ceux du service ménager, y compris le service agricole, sont passés à 3,283,486 en 1953, augmentation de 102 p. 100 durant la période de 15 ans. Dans le cas des usagers domestiques, la consommation moyenne a augmenté de plus du double au regard de 1939. Grâce à l'expansion constante des services publics, les réseaux municipaux, provinciaux et fédéraux ont représenté 59.2 p. 100 des recettes globales de 1953 au regard de 39.1 p. 100 en 1939. Les recettes de tous les distributeurs et provenant du service ménager se sont chiffrées par \$168,271,169 en 1953 contre \$144,650,270 en 1952 et \$43,793,482 en 1939. L'éclairage commercial a donné \$80,685,754 ou \$9,151,123 de plus qu'en 1952 tandis que les gros usagers d'énergie comme les moulins à papier, les fonderies et les usines ont versé \$185,357,865 au regard de \$169,938,350 l'année précédente. Cependant, les centrales de propriété publique ont acheté une forte part de la production des centrales privées à leurs nombreux usagers. Cela s'est surtout produit dans l'ouest du Québec, où les centrales commerciales comme la Gatineau Power et la MacLaren ont livré une bonne partie de leur production par delà la rivière Ottawa, au réseau de la Commission hydro-électrique d'Ontario. Les recettes des centrales publiques se sont chiffrées par \$277,530,754 en 1953 contre \$191,516,597 pour les centrales privées. Les centrales publiques comptaient plus du double des clients des centrales privées.

Les dépenses déclarées, qui ne comprennent que quatre postes (salaires, combustible, taxes et coût de l'énergie achetées), sont passées de \$278,036,006 en 1952 à \$317,669,816 en 1953. Les taxes déclarées ont diminué de \$42,975 pour s'établir à \$47,367,243. Le détail de la dépense, à la page 10, indique une augmentation des taxes provinciales versées par les compagnies privées et publiques. Les salaires et gages se sont élevés à \$115,652,039 contre \$102,165,917¹ et le nombre des employés est passé à 49,169. Le coût de l'énergie achetée (échanges entre les centrales) est passé de \$115,039,308 en 1952 à \$134,853,180, et celui du combustible, de \$13,420,563 à \$19,797,354, avance de 47 p. 100.

La capacité totale de l'outillage primaire dans les centrales d'énergie électrique a accusé une avance de plus de 10 p. 100 sur 1952, passant de 1,439,231 à 15,661,037 h.p. Le mot primaire signifie ici les roues et turbines hydrauliques, les moteurs à vapeur et à combustion interne utilisés pour faire fonctionner les générateurs, qui, à leur tour, sont appelés outillage secondaire. L'augmentation de la capacité secondaire totale a été de 10.4 p. 100 au regard de 1952.

TABLEAU 2 — (pages 16-17). Centrales génératrices

Les centrales génératrices sont les usines d'énergie individuelles des réseaux distributeurs d'électricité. Chaque édifice qui abrite de l'outillage générateur est appelé centrale génératrice. Les centrales d'énergie thermique qui font partie de réseaux hydrauliques ou non générateurs ne comptent pas comme stations génératrices.

Des 524 centrales génératrices principales qui ont fait rapport en 1953, 340 étaient hydrauliques et étaient situées surtout en Ontario, au Québec et en Nouvelle-Écosse. Les 184 autres étaient thermiques; on les trouvait presque toutes en Saskatchewan et en Alberta. Il faut signaler que les centrales

1. Rectifié.

Nota. Certaines comparaisons avec les années antérieures à 1947 se ressentent de l'achat, par la Consolidated Mining and Smelting Company, des centrales West-Kootenay 2, 3, 4 et 5, en Colombie-Britannique, et de la fusion des centrales et de leur production dans le groupe industriel de l'extraction minière et de la fonte des métaux.

hydraulic systems generated 97 p.c. of the power produced in Canada during the year.

TABLE 3 — (pages 18-19). Revenues

Revenue is gross revenue less cost of power. It is the revenue received from consumers (excepting in the large power class, from which the cost of electric energy purchased is deducted). Where power is purchased by a station in one province from a station in another province, the cost of such power is not deducted in computing provincial data. It is, however, deducted in computing the national totals.

Average revenues per kilowatt hour sold are not always indicative of the relative costs for similar services. The averages for domestic services and for commercial lighting are for more or less identical services for each station, but even here such factors as the use of electric stoves, space heaters, flat rate water heaters, the source of supply, the firm power load, the market for off-peak and surplus power, and the cost of generation, transmission, and distribution all affect the rates. In computing the average total revenue per kilowatt hour, all line losses were included, but for domestic service and farm services, for commercial light, etc., line losses were not included, the consumptions for these services being measured at the consumers' meters. The average revenue per kilowatt hour consumed for each province is the revenue received from ultimate consumers within each province plus revenue received for power exported from the province, divided by the total kilowatt hours so sold, including all line losses. The average revenue of 1.70 cents per kilowatt hour for all domestic service (or 1.61 cents with farm service excluded) compares with an average of 2.74 cents in the United States. About 76 p.c. of U.S. generation in 1953 was by steam and internal combustion engine compared with only 6 p.c. in Canada. The average revenues per horsepower and per kilovolt ampere are affected by the classes of service and their relative importance in each province. Quebec stations sell large quantities of power to Ontario distributors. The Quebec stations are credited with the wholesale revenue and the Ontario stations with the retail revenue from this power. In computing the averages for Ontario stations, the equipment capacities shown in table 10 were increased one horse power for each 4,576 kilowatt hours imported from Quebec stations and one kilovolt ampere for each 6,136 kilowatt hours imported. This is only an estimate of the equipment and was based on the Ontario Hydro-Electric Power Commission's contracts with Quebec companies which call for 88 kilowatt hours per week for each horsepower purchased.

Provincial and municipal taxes on domestic bills, where imposed, have not been included as either revenue or expenses. In Quebec a 2 p.c. provincial tax was in effect while in Saskatchewan and British Columbia a sales tax of 3 p.c. was collected. (For further details see "Cost of Electricity for Domestic Service, etc. 1953" published by D.B.S.)

TABLE 4 — (pages 20-21). Expenses

This table includes only the expense items, (1) salaries and wages, (2) fuel, (3) taxes and (4) cost of purchased power. The last is an intra-industry expense and might be omitted from the expenses of the industry as a whole. It shows, however, the extent of purchases of power by the different groups of stations. The cost of power item includes the cost to municipalities receiving their supply from provincial commissions as well as the interchange of power between generating stations and also between generating and non-generating. As explained above, the sales taxes on domestic bills have not been included in the taxes given in this table.

Reported Taxes

To supplement Table 4, the details of taxes reported by private and public stations follow.

hydrauliques ont été comptables durant l'année, avec les centrales thermiques des réseaux hydrauliques, de 97 p.100 de l'énergie totale produite au Canada.

TABEAU 3 — (pages 18-19). Recettes

Les recettes sont le revenu brut moins le coût de l'énergie. C'est l'argent perçu des consommateurs (sauf pour la catégorie de la grosse énergie où l'achat d'énergie électrique est déduit du revenu). Là où l'énergie est échangée entre centrales de différentes provinces, le coût de cette énergie n'est pas déduit des données provinciales. Il est cependant déduit du total national.

Les recettes moyennes par kwh n'indiquent pas toujours le coût relatif de services de même nature. Les moyennes du service ménager et de l'éclairage commercial portent sur des services plus ou moins identiques pour chaque centrale, mais, même dans ce cas, des facteurs comme l'emploi de poêles électriques, de chauffeuses, de chauffe-eau à taux fixe, la source d'approvisionnement, la capacité en énergie ferme, les débouchés d'énergie secondaire et les frais de génération, de transmission et de distribution ont tous des effets sur les taux. Toutes les pertes de transmission sont entrées dans le calcul des recettes moyennes totales par kwh, la consommation, dans le cas de ces services, étant mesurée à l'aide des compteurs de courant chez les consommateurs. Le revenu moyen par kwh consommé dans chaque province est celui qui est perçu du consommateur définitif dans chacune, plus les recettes perçues pour l'énergie exportée de la province, le tout divisé par le total des kwh ainsi vendus, y compris les pertes de transmission. Le revenu moyen de 1.70 cent par kwh pour tout le service ménager (ou de 1.61 cent si l'on exclut le service agricole) se compare à la moyenne de 2.74 cents aux États-Unis. Environ 76 p.100 de la production d'énergie des États-Unis en 1953 s'est faite au moyen de moteurs à vapeur ou à combustion interne, en comparaison de 6 p.100 seulement au Canada. Les recettes moyennes par HP et par kVa dépendent des catégories de services et de leur importance relative dans chaque province. Les centrales du Québec vendent de fortes quantités d'énergie aux distributeurs de l'Ontario. Pour établir les moyennes, on a ajouté aux capacités indiquées au tableau 10 un HP pour chaque 4,576 kwh importés du Québec et un kVa pour chaque 6,136 kwh. Ce n'est là qu'une estimation de l'outillage, estimation fondée sur les contrats de la Commission hydro-électrique d'Ontario avec les compagnies du Québec. Ces contrats exigent 88 kwh par semaine pour chaque HP acheté.

Les taxes provinciales et municipales sur les comptes du service ménager, là où il s'en trouve, ne sont pas comprises dans les recettes, ni dans les dépenses. Au Québec, il y avait une taxe provinciale de 2 p.100 en 1952 et en Saskatchewan, une taxe de vente de 3 p.100. (Pour de plus amples détails, prière de consulter la publication du B.F.S. "Cost of Electricity for Domestic Service, etc., 1953".)

TABEAU 4 — (pages 20-21). Dépenses

Ce tableau ne comprend que les postes de dépenses suivants: 1) salaires et gages; 2) combustible; 3) taxes; 4) coût de l'énergie achetée. Ce dernier poste est une dépense interne de l'industrie et peut être omis des dépenses globales de l'industrie. Il indique cependant l'étendue des achats d'énergie par les différents groupes de centrales. Le coût de l'énergie comprend ce qu'il en coûte aux municipalités pour obtenir leur approvisionnement des commissions provinciales, de même que l'échange d'énergie entre les centrales génératrices et aussi entre les génératrices et les non-génératrices. Tel qu'il est expliqué plus haut, les taxes de vente sur les comptes ménagers ne sont pas comprises dans les chiffres donnés au présent tableau.

Taxes déclarées

Comme supplément au tableau 4, le détail des taxes déclarées par les centrales privées et publiques est donné ci-après.

Reported Taxes, 1953

Taxes déclarées, 1953

Province	Privately-Owned Stations Centrales privées				Publicly-Owned Stations Centrales publiques			
	Municipal Taxes municipales	Provincial Taxes provinciales	Federal Taxes fédérales	Total Taxes totales	Municipal Taxes municipales	Provincial Taxes provinciales	Federal Taxes fédérales	Total Taxes totales
Newfoundland	31,975	1,116	469,007	502,098	—	—	—	—
Prince Edward Island	44,762	412	143,333	188,507	—	—	728	728
New Scotia	698,426	7,339	1,221,380	1,927,145	98,748	1,329	3,819	103,896
New Brunswick	126,183	19,613	173,657	319,453	1,767	1,657	2,984	6,408
Québec	3,788,057	5,821,796	10,246,460	19,856,313	801,424	3,843,413	150,467	4,795,304
Ontario	641,740	10,802	1,406,660	2,059,202	1,548,368	279,428	1,642,925	3,470,721
Manitoba	208,107	895	313,294	522,296	186,314	—	31,297	217,611
Saskatchewan	56,071	148	272,966	329,185	128,744	—	—	128,744
Alberta	114,406	12,054	2,816,078	2,942,538	414,831	—	1,823	416,654
British Columbia	907,788	979,421	7,515,957	9,403,166	119,535	11,146	366	131,047
Yukon and Northwest Territories	3,203	134	42,890	46,227	—	—	—	—
Total	6,620,718	6,853,730	24,621,682	38,096,130	3,299,731	4,136,973	1,834,409	9,271,113
Total—Private stations—Centrales privées	6,620,718	6,853,730	24,621,682	38,096,130				
Total—Public stations—Centrales publiques	3,299,731	4,136,973	1,834,409	9,271,113				
Total	9,920,449	10,990,703	26,456,091	47,367,243				

In cases where the station absorbed the sales taxes, such taxes are included. Water rentals are excluded. The Federal Unemployment Insurance Tax did not apply generally to utility employees until September 1, 1943. All stations did not include under taxes, the federal and provincial taxes on gasoline used by their vehicles, etc. It is common practice to treat sales tax as part of the cost of the commodity. The Federal tax included income and excess profits tax, tax on exports of electricity, and the two mentioned above. The greater part of the municipal tax paid by public stations, was tax payments continued by the Provincial Commissions on plants acquired from privately owned stations. Total taxes reported by the industry during 1953 were \$47,367,243.

TABLE 3 — (pages 22-23). Number of Customers

As outlined under Table 3, stations report a segregation of customers into seven classes, but in the past many stations included farm customers with domestic customers, and in the Bureau's reports all customers in these two classes consequently were combined under "Domestic Customers". Following is a table giving the farm customers as reported, together with the respective consumptions and revenues received from them. Such revenues do not include taxes paid by the consumer, as previously explained. Due to the increasing activity in rural electrification, it is probable that current data are more comprehensive than previously reported. Farm customers added during 1953 totalled 24,479 and the total for 1953 at 384,349 was up 7 per cent. For comparative purposes, farm and residential services are combined under "Domestic" in tables 3, 5 & 6 as in previous years. With 630,000 occupied farm dwellings in Canada (on the 1951 Census basis), the total of 384,349 farm customers indicates that 61 per cent enjoyed the benefits of power line service at the end of 1953 compared with about 92 per cent of the farms in the United States. The Prairie Provinces accounted for over half of the

Ces taxes ne sont incluses que dans quelques cas où la centrale a absorbé la taxe de vente. La location d'eau est exclue. La taxe fédérale d'assurance-chômage ne s'applique pas de façon générale à tous les employés des services d'utilité publique depuis le 1^{er} septembre 1943. De même, les centrales n'ont pas toutes inscrit au poste des taxes les impôts fédéraux et provinciaux sur l'essence utilisée par leurs véhicules, etc. Il est de pratique courante de considérer les taxes de vente comme étant une partie du coût du service. La taxe fédérale comprend les impôts sur le revenu et sur l'excédent de bénéfices, les droits d'exportation de l'électricité et les deux autres mentionnées plus haut. La majeure partie de la taxe municipale payée par les centrales publiques était des versements qu'ont continué de faire les Commissions provinciales pour des centrales acquises d'entreprises privées. Les taxes globales déclarées par l'industrie en 1953 se sont chiffrées par \$47,367,243.

TABLEAU 3 — (pages 22-23). Nombre d'usagers

Tel qu'on l'a souligné dans l'explication du tableau 3, les centrales font, dans leur rapport, la distinction entre sept catégories d'usagers, mais comme dans le passé plusieurs centrales comptaient les usagers agricoles avec ceux du service ménager, tous les usagers de ces deux catégories ont été réunis sous le titre d'usagers ménagers dans les rapports du Bureau. On donne au tableau suivant le nombre d'usagers agricoles tel qu'il a été déclaré, de même que la consommation respective par province et les recettes perçues d'eux. Ces recettes ne comprennent pas les taxes payées par le consommateur, comme il fut expliqué plus haut. Devant l'activité croissante de l'électrification rurale, il est probable que les données présentes seront plus complètes que celles présentées antérieurement. Les usagers agricoles ont augmenté de 24,479 en 1953 pour se chiffrer en tout à 384,349, augmentation de 7 p.100. Afin de faciliter la comparaison, les services agricoles et résidentiels sont réunis sous le titre de service ménager aux tableaux 3, 5 et 6 tout comme pour les années passées. D'après le recensement de 1951, il y a 630,000 maisons de ferme habitées au Canada; du total, 384,349 ou 61 p.100 jouissaient du service

increase in farm customers reported for 1953. The number of farm customers during the last five years increased in Manitoba by 27,907, in Saskatchewan by 12,623 and in Alberta by 15,241. These figures showed an increase of 490 per cent in Manitoba, 1,029 per cent in Saskatchewan and 449 per cent in Alberta while the overall increase in the Canada total was 80 per cent.

d'électricité à la fin de 1953 contre environ 92 p. 100 des fermes des États-Unis. Plus de la moitié de l'augmentation des usagers déclarés en 1953 est attribuable aux provinces des Prairies. Le nombre d'usagers agricoles durant les cinq dernières années a augmenté de 27,907 au Manitoba, de 12,623 en Saskatchewan et de 15,241 en Alberta. Ces chiffres représentent une augmentation de 490 p. 100 au Manitoba, de 1,029 p. 100 en Saskatchewan et de 449 p. 100 en Alberta, tandis que l'augmentation générale au pays a été de 80 p. 100.

Farm Service, 1953
Service agricole, 1953

Province	Customers — Usagers	Kilowatt Hours Consumed Kwh. consommés	Revenue Recettes	Kw. Hrs. per Customer Kwh. par usager	Average ¹ Annual Bill Compte annuel moyen ¹	Revenue ¹ per Kw. Hr. Recettes par kwh. ¹	P.C. of Total Farm Service Consumption — Proportion de la consommation totale
		(000)	\$		\$	¢	%
Prince Edward Island	4,095	3,474	292,258	848	71.37	8.4	0.37
Nova Scotia.....	20,950	15,979	705,815	763	33.69	4.4	1.72
New Brunswick	37,157 ²	31,659	1,878,048	852	50.54	5.9	3.40
Québec.....	98,571	127,985	3,769,277	1,298	38.24	2.9	13.75
Ontario.....	138,031	525,013	11,588,687	3,804	83.96	2.2	56.41
Manitoba	33,601	98,887	2,629,162	2,943	78.25	2.7	10.62
Saskatchewan	13,850	26,528	1,324,580	1,915	95.64	5.0	2.85
Alberta.....	18,634	48,529	1,249,533	2,604	67.06	2.6	5.21
British Columbia	19,460	52,754	1,185,390	2,711	60.91	2.2	5.67
Canada.....	384,349	930,808	24,622,750	2,420	64.03	2.6	100.00

1. Federal, Provincial and Municipal taxes on the electricity purchased are not included. — Sans les taxes fédérales, provinciales et municipales sur l'électricité achetée.

2. Revised basis, not comparable with years previous to 1948. — Base rectifiée: non comparable aux années antérieures à 1948.

Note: No farm service reported separately in Yukon and North West Territories or Newfoundland. Some central electric stations do not keep separate records for farm service and estimated figures vary considerably from year to year. This may explain the drop in the reported number of farm customers in Prince Edward Island and in Nova Scotia in 1952. — Nota: Pas de rapport séparé pour le service agricole au Yukon, dans les Territoires du Nord-Ouest et à Terre-Neuve. Certaines centrales ne tiennent pas un compte séparé du service agricole, d'où la forte variation annuelle des chiffres estimatifs. Cela peut expliquer la baisse du nombre d'usagers agricoles en Île-du-Prince-Édouard et en Nouvelle-Écosse en 1952.

TABLE 6 — (pages 24-25). Domestic Service, 1939-1953

The number of domestic customers, including rural, registered encouraging gains, percentage increases ranging from 78 per cent in Ontario to 154 per cent in Alberta. The growing use of electricity is illustrated by the considerable advance in the average kilowatt hours purchased per customer with the Canada total at 3,008 kw. hrs. for 1953 compared with 1,423 in 1939, a rise of over 111 per cent. Revenues from domestic sales totalled \$168,271,169 in 1953, 327.4 per cent above the \$43,793,482 reported for 1939 and \$23,620,899 more than in 1952. The average annual consumption per domestic customer varied widely between provinces. Manitoba led with a 1953 average of 4,960 kw. hrs. while New Brunswick and Prince Edward Island had the lowest averages.

Compared with the spectacular growth in consumption, the annual average bills registered moderate year to year increases over the past thirteen years. The 1953 average bill stood at \$51.25 against \$26.97 for 1939, an increase of 90 p.c., whereas consumption per customer rose 111 p.c. Provincial bills ranged from \$66.05 for Saskatchewan to \$38.43 for Quebec while average domestic service revenue per kilowatt hour in Canada was 1.7 cents in 1953, 10 p.c. under the

TABLEAU 6 — (pages 24-25). Service ménager, 1939-1953

Le nombre d'usagers domestiques, y compris ceux des régions rurales, a accusé des gains encourageants; la proportion d'augmentation a varié de 78 p. 100 en Ontario à 154 p. 100 en Alberta. L'utilisation croissante de l'électricité est démontrée par la forte avance de la consommation moyenne de kwh par usager. Cette consommation pour le pays en 1953 a été de 3,008 kwh contre 1,423 en 1939, augmentation de plus de 111 p. 100. Les recettes provenant des ventes du service ménager se sont chiffrées par \$168,271,169 en 1953, augmentation de 327.4 p. 100 par rapport à 1939 (\$43,793,482) et de \$23,620,899 par rapport à 1952. La consommation annuelle moyenne par usager ménager varie grandement d'une province à l'autre. Le Manitoba venait en tête en 1953 avec une moyenne de 4,960 kwh, tandis que le Nouveau-Brunswick et l'Île-du-Prince-Édouard accusaient les moyennes les plus faibles.

Comparé à l'accroissement spectaculaire de la consommation, le compte annuel moyen a enregistré des gains annuels modérés ces treize dernières années. Le compte moyen s'établissait à \$51.25 en 1953, contre \$26.97 en 1939, augmentation de 90 p. 100, tandis que la consommation moyenne par usager s'est accrue de 111 p. 100. Le compte moyen, par province, variait de \$66.05 en Saskatchewan à \$38.43 au Québec, tandis que le revenu moyen du service ménager par kwh s'établissait,

1.9 cents per kilowatt hour received in 1939. Prince Edward Island, New Brunswick, Saskatchewan and Alberta average revenues are affected by the higher costs of thermal generation from coal, etc., while the Manitoba revenue is lowest due to the widespread use of flat rate water heaters.

A comparison with other countries shows that Canadians enjoy one of the lowest rates per kilowatt hour in the world. In the United States the average revenue per kilowatt hour sold to residential or domestic customers averaged 2.7 cents in 1953 against 1.7 cents per kilowatt hour in Canada. Commercial and industrial sales in the United States averaged 1.4 cents per kilowatt hour compared with 0.7 cents for Canada.

TABLES 8 and 9 — (pages 28-31). Equipment

Power Station equipment is shown in tables 8 and 9. In table 9 the total equipment of generating stations is shown combined with that of non-generating stations. Historic data are to be found in the Summary table (1). Thermal plants operated by hydraulic systems are, in some instances, large plants used to supplement hydraulic production on a regular operating basis, and should not be confused with stand-by equipment. However, table 8 shows thermal equipment of the above type combined with smaller stand-by plants operated by hydraulic and by non-generating stations. The amount generated by thermal equipment operated by hydraulic systems, was 2,142,658,000 kw. hrs., 82.8 per cent of which was produced in Ontario.

TABLE 10 — (pages 32-33). Electric Energy Generated

The electric energy generated is the output at the power plants less power used for the operation of the plants, and, consequently includes all transformer and line losses entailed in delivering power to the ultimate consumers. The kva. capacities shown were the rated dynamo capacities at the close of the year of all plants of generating stations. A market for secondary power makes possible a greater production of kilowatt hours per unit of capacity than a market of firm power only for the same installation. Subsequent to August 1946, declining amounts of secondary power were available and production, as reported monthly, dropped from 9,141,804,000 in 1946 to a low of 2,610,308,000 in 1948, but recovered to 4,597,636,000 in 1952, as supply conditions improved with the addition of new plants and heavier snow and rainfall. It dropped slightly in 1953 to 4,276,671,000 kilowatt hours.

TABLE 11 — (pages 34-35). Fuel

The value of Canadian bituminous and sub-bituminous coal was 33 per cent of the total fuel bill; fuel oil and diesel oil accounted for 21.9 per cent; and lignite coal, gasoline, gas, etc., the remainder. Fuel consumed was valued at \$19,726,599 compared with \$13,420,563 in 1952. All coal consumed cost an average of \$7.25 per ton as against \$6.65 one year earlier. Coal costs per ton increased 143 per cent since 1939 and oil costs per gallon, 54 per cent. The use of manufactured gas in Nova Scotia rose from 7,261,303,000 cu. ft. in 1952 to 8,013,988,000 cu. ft. in 1953.

In the following table, data on domestic customers are brought together and analysed. During 1953, domestic customers in Ontario consumed 52.3 per cent of the total power used by all domestic customers in Canada, whereas the population of this province was less than a third of the total for the nation. The average bills do not include federal, provincial and municipal sales taxes paid by the consumers.

pour l'ensemble du pays, à 1.7 cent en 1953, diminution de 10 p. 100 sur celui de 1939 (1.9 cent). Le coût élevé de la production thermique à partir de charbon, etc. influe sur le revenu moyen de l'Île-du-Prince-Édouard, du Nouveau-Brunswick, de la Saskatchewan et de l'Alberta, tandis qu'au Manitoba, le revenu est bas à cause de l'usage répandu de chauffe-eau à taux fixe.

Comparés aux habitants des autres pays, les Canadiens jouissent d'un des plus bas taux au monde par kwh. Aux États-Unis, le revenu moyen par kwh vendu aux usagers ménagers ou résidentiels s'est établi à 2.7 cents en 1953, contre 1.7 cent au Canada. Les ventes commerciales et industrielles aux États-Unis s'établissent en moyenne à 1.4 cent par kwh, contre 0.7 cent au Canada.

TABLEAU 8 et 9 — (pages 28-31). Outillage

L'outillage des centrales électriques paraît aux tableaux 8 et 9. Au tableau 9, l'outillage des centrales génératrices est réuni à celui des centrales non génératrices. Les données chronologiques paraissent au tableau sommaire (1). Les centrales thermiques exploitées par les centrales hydrauliques sont dans certains cas de grosses usines qui suppléent à la production ordinaire comme partie de l'exploitation régulière et ne doivent pas être confondues avec l'équipement de réserve. Cependant, le tableau 8 réunit l'outillage thermique ci-haut mentionné aux petites centrales de réserve des centrales hydrauliques et non génératrices. L'énergie produite par l'outillage thermique des centrales hydrauliques a été de 2,142,658,000 kwh, dont 82.8 p. 100 ont été produits en Ontario.

TABLEAU 10 — (pages 32-33). Énergie électrique produite

L'énergie électrique produite est la production totale moins l'énergie utilisée pour le fonctionnement de la centrale; elle comprend donc toutes les pertes de transmission (transformateurs et lignes) dans la livraison de l'énergie au consommateur définitif. La capacité en kva indiquée ici est la capacité établie des dynamos à la fin de l'année dans toutes les centrales génératrices. Tout débouché d'énergie secondaire rend possible une plus grande production de kwh par unité de capacité qu'un marché d'énergie ferme seulement dans une même centrale. De 1946 à 1948 les quantités d'énergie secondaire disponibles ont diminué, comme l'indiquaient les rapports mensuels, passant de 9,141,804,000 à un minimum de 2,610,308,000 en 1948. Elles ont augmenté, cependant, ensuite pour atteindre 4,597,636,000 kwh en 1952, lorsque la situation des approvisionnements s'est améliorée grâce à l'aménagement de nouvelles centrales et aux chutes accrues de neige et de pluie. En 1953, elles ont fléchi légèrement à 4,276,671,000 kwh.

TABLEAU 11 — (pages 34-35). Combustible

La valeur du charbon bitumineux et de la houille maigre du Canada utilisés par les centrales représentait 33 p. 100 de la dépense totale pour le combustible; l'huile de chauffage et l'huile à moteurs diesels représentaient 21.9 p. 100 et le charbon lignite, l'essence et le gaz, le reste. Le combustible utilisé a atteint une valeur de \$19,726,599 contre \$13,420,563 en 1952. Le coût moyen de tout le charbon utilisé a été de \$7.25 la tonne contre \$6.65 un an plus tôt. Le coût du charbon à la tonne a augmenté de 143 p. 100 depuis 1939 et celui de l'huile au gallon, de 54 p. 100. L'utilisation de gaz manufacturés en Nouvelle-Écosse est passée de 7,261,303,000 pieds cubes en 1952 à 8,013,988,000 pieds cubes en 1953.

Le tableau suivant présente la réunion et l'analyse des données sur les usagers ménagers. En 1953, les usagers ménagers de l'Ontario ont consommé 52.3 p. 100 de l'énergie totale utilisée par tous les usagers ménagers du Canada, alors même que la population de cette province était moins du tiers de celle du pays. Le compte moyen ne comprend pas les taxes de ventes fédérales, provinciales et municipales payées par les consommateurs.

Domestic Service¹, 1953Service ménager¹, 1953

Province	Customers — Usagers		Average Bill for Year — Compte moyen pour l'année	Average per Kilowatt Hour — Moyenne par kwh.	Average Annual Consumption — Consommation annuelle moyenne		Consumption by Domestic Service — Consommation par le service ménager	
	Total	Per 100 Population — Par 100 habitants			Per Customer — Par usager	Per Capita — Par habitant	P.C. of Total Power Used in Province ² — Proportion du total par province ²	P.C. of Total Domestic Power Used in Canada — Proportion du total de l'utili- sation domesti- que de l'énergie au pays
			\$	¢	Kw. Hrs.	Kw. Hrs.		
Newfoundland	40,855	10.67	43.24	2.45	1,762	188	28.63	0.73
Prince Edward Island	11,293	10.65	65.92	5.71	1,155	123	33.08	0.13
Nova Scotia	141,961	21.41	45.32	2.90	1,565	335	21.81	2.25
New Brunswick	110,779	20.67	50.06	4.07	1,230	254	18.85	1.38
Québec	903,315	21.16	38.43	1.78	2,164	458	6.89	19.79
Ontario	1,281,545	26.17	55.24	1.37	4,031	1,055	23.71	52.29
Manitoba	181,243	22.40	61.18	1.23	4,960	1,111	27.56	9.10
Saskatchewan	120,640	14.01	66.05	3.52	1,878	263	33.96	2.30
Alberta	173,692	17.33	47.30	2.91	1,624	282	21.06	2.86
British Columbia	316,107	25.70	65.76	2.30	2,855	734	29.32	9.13
Yukon and Northwest Territories..	2,056	8.22	104.56	6.05	1,729	142	4.13	0.04
Canada	3,283,486	22.21	51.25	1.70	3,008	668	16.30	100.00

1. Includes Farm Customers. — Y compris les usagers agricoles.

2. Including line and transformer losses. — Y compris les pertes de transmission.

TABLE 1. Comparative Summary, 1939-1953

No.		1953	1952	1951	1950	1949
Electric Energy Generated:						
1	Total kilowatt hours (thousands)	62,860,927	59,409,198	54,851,844	48,493,718	44,418,573
2	Private	34,413,349	32,883,227	30,471,042	28,432,404	26,731,889
3	Public	28,447,578	26,525,971	24,380,802	20,061,314	17,686,684
4	Generated by water	58,926,462	57,023,530	52,955,002	46,624,218	42,779,199
5	Generated by fuel	3,934,465	2,385,668	1,896,842	1,869,500	1,639,374
6	Exports to the United States (thousands kwh.)	2,424,030	2,493,210	2,375,522	1,925,867	1,756,752
7	Imports from the United States (thousands kwh.)	180,637	19,985	8,956	2,591	31,205
Electric Power Plants (Generating):						
8	Total	524	562	647	665	650
9	Hydraulic	340	344	357	348	341
10	Thermal	184	218	290	317	309
11	Private	303	337	377	395	391
12	Public	221	225	270	270	259
Pole Line Mileage:						
13	Total	213,176	190,316	170,582	151,726	135,329
14	Private	75,021	66,774	59,885	54,745	49,086
15	Public	138,155	123,542	110,697	96,981	86,243
16	Generating	164,108	146,115	131,375	117,299	106,396
17	Non-generating	49,068	44,201	39,207	34,427	28,933
Revenue¹:						
18	Total	\$ 469,047,351	\$ 415,494,074	\$ 374,643,376	\$ 323,833,465	\$ 280,311,624
19	Private	\$ 191,516,597	\$ 177,615,066	\$ 160,149,599	\$ 141,771,226	\$ 129,481,120
20	Public	\$ 277,530,754	\$ 237,879,008	\$ 214,493,777	\$ 182,062,239	\$ 150,830,504
21	Generating	\$ 410,851,628	\$ 365,216,300	\$ 328,844,448	\$ 283,445,853	\$ 246,086,487
22	Non-generating	\$ 58,195,723	\$ 50,277,774	\$ 45,798,928	\$ 40,387,612	\$ 34,225,137
Expenses²:						
23	Total	\$ 317,669,816	\$ 278,036,006 ⁴	\$ 251,280,097 ⁴	\$ 216,259,954 ⁴	\$ 197,409,382 ⁴
24	Private	\$ 108,048,193	\$ 103,167,296	\$ 94,313,890	\$ 80,302,855	\$ 76,055,742
25	Public	\$ 209,621,623	\$ 174,868,710	\$ 156,966,207	\$ 135,957,099	\$ 121,353,640
26	Generating	\$ 207,705,639	\$ 185,626,680	\$ 168,493,550	\$ 140,268,550	\$ 131,371,015
27	Non-generating	\$ 109,964,177	\$ 92,409,326	\$ 82,846,547	\$ 75,991,404	\$ 66,038,367
Customers:						
28	Total	3,817,281	3,620,595	3,439,750	3,269,824	3,076,369
29	Domestic service ³	3,283,486	3,112,306	2,951,988	2,797,378	2,619,831
30	Commercial light	443,993	422,428	405,332	392,530	379,526
31	Power (small)	65,897	62,660	61,322	60,700	58,600
32	Power (large)	18,669	18,194	16,360	14,708	14,208
33	Power (municipal)	1,222	1,147	1,091	1,013	964
34	Street lighting	4,014	3,860	3,657	3,495	3,240
35	Private stations	1,233,847	1,175,923	1,124,441	1,068,867	1,042,951
36	Public stations	2,583,434	2,444,672	2,315,309	2,200,957	2,033,418
37	Generating stations	2,465,695	2,339,291	2,216,173	2,089,726	1,934,639
38	Non-generating stations	1,351,586	1,281,304	1,223,577	1,180,098	1,141,730
Equipment in All Central Electric Stations:						
39	Total Primary Power	h.p. 15,661,037	14,221,806	13,030,592	11,976,241	10,883,276
40	Private stations	h.p. 8,278,142	7,679,536	7,225,902	6,804,494	6,524,228
41	Public stations	h.p. 7,382,895	6,542,270	5,804,690	5,171,747	4,359,048
42	Total Secondary Power	kva. 13,083,874	11,854,255	10,780,081	9,960,217	9,103,702
43	Private stations	kva. 6,946,737	6,434,273	6,001,503	5,674,199	5,481,967
44	Public stations	kva. 6,137,137	5,419,982	4,778,578	4,286,018	3,621,735
Thermal equipment operated by hydraulic stations and by non-generating stations:						
45	Primary power	h.p. 1,287,824	880,608	248,982	273,080	245,478
46	Secondary power	kva. 1,022,642	705,207	215,920	234,824	213,410

Note. Data on Capital not collected after 1943, when the total was \$1,778,224,640.

1. Cost of power interchanged between stations excluded from revenue of purchasing stations (see page 9).

2. Includes wages, cost of power, fuel and taxes, but not other expenses.

3. Farm service is included with domestic service.

4. Revised to exclude the amount of salaries and wages paid to company employees engaged in new construction.

TABLEAU 1. Résumé comparatif, 1939-1953

1948	1947	1946	1945	1939		No
Énergie électrique produite:						
42,389,681	43,424,799	41,736,987	40,130,054	28,338,030	Total kwh produits (milliers)	1
25,697,293	27,665,524	26,997,716	25,530,857	21,290,930	Par les centrales privées	2
16,692,388	15,759,275	14,739,271	14,599,197	7,047,100	Par les centrales publiques	3
41,070,095	42,273,167	40,692,395	39,131,020	27,829,017	Par l'eau	4
1,319,586	1,151,632	1,044,592	999,034	509,013	Par le combustible	5
1,743,108	2,066,487	2,481,631	2,646,435	1,908,756	Exportations d'électricité aux États-Unis (milliers kwh.)	6
86,391	53,037	9,527	15,916	666	Importations d'électricité des États-Unis (milliers kwh.)	7
Centrales électriques (génératrices):						
635	607	600	600	611	Total	8
309	310	305	302	313	Hydrauliques	9
326	297	295	298	298	Thermiques	10
393	377	397	392	427	Privées	11
242	230	203	208	184	Publiques	12
Lignes sur poteaux:						
113,411⁴	98,530	89,231	83,178	72,132	Longueur totale	13
41,251	35,891	33,184	31,117	30,288	Centrales privées	14
72,160	62,639	56,047	52,061	41,844	Centrales publiques	15
90,810	79,761	71,936	66,694	57,084	Centrales génératrices	16
22,601	18,769	17,295	16,484	15,048	Centrales non génératrices	17
Recettes¹:						
257,377,490	243,705,976⁴	226,096,273	215,105,473	151,880,969	Total	18
119,032,951	114,639,557	108,668,772	101,672,511	92,535,049	Centrales privées	19
138,344,539	129,066,419	117,427,501	113,432,962	59,345,920	Centrales publiques	20
224,983,155	213,904,209	192,214,412	183,227,685	127,483,222	Centrales génératrices	21
32,394,335	29,801,767	33,881,861	31,877,788	24,397,747	Centrales non génératrices	22
Dépenses²:						
173,420,667⁴	164,063,096⁴	150,750,488⁴	135,104,091	91,982,372	Total	23
66,243,323	65,553,976	66,789,794	60,893,580	42,471,534	Centrales privées	24
107,177,344	98,509,120	83,960,694	74,210,511	49,510,838	Centrales publiques	25
115,545,404	110,503,493	95,125,303	83,336,610	51,570,137	Centrales génératrices	26
57,875,263	53,559,603	55,625,185	51,767,481	40,412,235	Centrales non génératrices	27
Abonnés:						
2,822,027	2,643,327	2,476,830	2,333,230	1,941,663	Total	28
2,398,847	2,246,253	2,104,549	1,987,360	1,623,672	Service ménager ³	29
349,673	326,988	306,592	285,402	262,590	Éclairage commercial	30
56,210	53,604	50,254	46,955	43,896	Force motrice (petite)	31
13,305	12,825	11,846	10,955	9,267	Énergie (grosse)	32
890	838	887	—	—	Énergie (municipale)	33
3,102	2,819	2,702	2,558	2,238	Éclairage des rues	34
937,385	870,408	826,091	766,554	889,418	Centrales privées	35
1,884,642	1,772,919	1,650,739	1,566,676	1,052,245	Centrales publiques	36
1,741,055	1,616,520	1,354,763	1,256,095	998,067	Centrales génératrices	37
1,080,972	1,026,807	1,122,067	1,077,135	943,596	Centrales non génératrices	38
Outillage de toutes les centrales électriques:						
10,219,596	9,786,087	10,001,712	9,840,259	7,801,261	Total, énergie primaire, h.p.	39
6,134,455	6,025,254	6,389,173	6,379,987	5,516,007	Dans les centrales privées, h.p.	40
4,085,141	3,760,833	3,612,539	3,460,272	2,285,254	Dans les centrales publiques, h.p.	41
8,514,509	8,138,687	8,312,358	8,182,323	6,601,201	Total, énergie secondaire, kva	42
5,119,048	5,023,723	5,304,225	5,296,575	4,764,528	Dans les centrales privées, h.p.	43
3,395,461	3,114,964	3,008,133	2,885,748	1,836,673	Dans les centrales publiques, h.p.	44
Outillage thermique des centrales hydrauliques et des centrales non génératrices:						
181,055	184,930	176,253	173,312	194,139	Énergie primaire, h.p.	45
135,470	154,199	149,462	146,556	165,785	Énergie secondaire, kva.	46

Nota. Les données sur le capital n'ont pas été recueillies depuis 1943, alors que le total était de \$1,778,224,640.

1. Le coût de l'énergie échangée entre stations est exclu du revenu des stations en faisant l'achat (voir p. 9).

2. Incluent gages, coût de l'énergie, combustible et taxes, mais non les autres dépenses.

3. Le service agricole est inclus dans le service ménager.

4. Rectifié pour exclure la somme des salaires et gages versés aux employés de la compagnie préposés à la construction de nouveaux édifices.

TABLE 2. Electric Power Plants and Organizations, 1953

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
1	Private Organizations	291 ¹	9	3	14	13	80
2	Number generating power	165	6	2	7	6	31
3	Number buying power for redistribution	126	3	1	7	7	49
4	Public Organizations	486 ¹	2	1	21	10	36
5	Number generating power	75	2	1	5	2	13
6	Number buying power for redistribution	411	—	—	16	8	23
Generating Plants:							
7	Total Number	524	20	7	42	18	93
8	Per cent of total for Canada	100.00	3.81	1.34	8.01	3.43	17.75
9	Private	303	18	6	18	7	71
10	Hydraulic	190	18	4	13	4	64
11	Thermal	113	—	2	5	3	7
12	Public	221	2	1	24	11	22
13	Hydraulic	150	—	—	24	3	21
14	Thermal	71	2	1	—	8	1
Generating Plants (classified by type of equipment):							
Primary Equipment:							
15	With water wheels and turbines	340	18	4	37	7	85
16	With steam engines only	8	—	—	—	—	1
17	With steam turbines only	32	—	1	4	5	1
18	With gas or oil engines only	139	2	2	—	5	6
19	With both steam engines and turbines	2	—	—	—	1	—
20	With both steam and gas or oil engines	3	—	—	1	—	—
Secondary Equipment:							
21	With alternating current dynamos only	486	20	5	42	17	93
22	With direct current dynamos only	31	—	2	—	1	—
23	With both alternating and direct current dynamos	7	—	—	—	—	—
24	Thermal plants operated by hydraulic systems	83	4	2	2	2	8
25	Thermal plants operated by non-generating systems	11	—	—	2	4	1

1. Organizations operating in two or more provinces are shown under provinces, but are included in total as only one organization.

TABLEAU 2. Centrales génératrices et sociétés, 1953

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.		No
46	9	32	45	43	8	Sociétés privées	1
23	2	29	32	27	5	Nombre de centrales génératrices	2
23	7	3	13	16	3	Nombre de centrales achetant de l'électricité pour la revente	3
349	11	22	15	21	1	Sociétés publiques	4
18	5	17	6	8	1	Nombre de centrales génératrices	5
331	6	5	9	13	—	Nombre de centrales achetant de l'électricité pour la revente	6
Centrales génératrices:							
134	10	68	68	57	7	Nombre	7
25.57	1.91	12.98	12.98	10.88	1.34	Pourcentage du total pour le Canada	8
41	4	29	60	44	5	Privées	9
35	4	2	17	26	3	Hydrauliques	10
6	—	27	43	18	2	Thermiques	11
93	6	39	8	13	2	Publiques	12
89	2	—	—	9	2	Hydrauliques	13
4	4	39	8	4	—	Thermiques	14
Centrales génératrices (classées selon le genre d'équipement):							
Outillage primaire:							
124	6	2	17	35	5	Avec roues et turbines hydrauliques	15
2	1	—	1	3	—	Avec machines à vapeur seulement	16
2	—	6	8	5	—	Avec turbines à vapeur seulement	17
6	3	59	42	12	2	Avec moteurs à gaz ou à pétrole seulement	18
—	—	1	—	—	—	Avec machines et turbines à vapeur à la fois	19
—	—	—	—	2	—	Avec machines à vapeur à gaz et à pétrole	20
Outillage secondaire:							
130	10	50	59	53	7	Avec dynamos à courant alternatif seulement	21
2	—	18	7	1	—	Avec dynamos à courant direct seulement	22
2	—	—	2	3	—	Avec dynamos à courant alternatif et direct	23
17	2	—	8	36	2	Centrales thermiques des réseaux hydrauliques	24
1	1	—	—	1	1	Centrales thermiques des réseaux non générateurs	25

1. Les sociétés exploitant des usines dans deux ou plusieurs provinces sont inscrites au chapitre des provinces, mais n'apparaissent qu'une fois dans le total.

TABLE 3. Revenue, 1953¹

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
		\$	\$	\$	\$	\$	\$
	Revenue:						
1	From Sale of Electric Energy	469,047,351	4,002,730	1,555,221	17,720,901	12,203,451 ²	150,476,194 ²
2	For domestic service	168,271,169	1,766,709	744,426	6,433,199	5,545,393	34,715,223
3	For commercial light	80,685,754	680,394	543,627	3,341,353	2,071,419	18,925,686
4	For power (small)	19,887,917	366,881	20,924	1,088,757	1,087,126	3,745,191
5	For power (large)	185,357,865	1,093,651	191,876	6,461,075	3,117,168	90,001,558
6	For power (municipal)	5,900,970	3,848	23,776	59,827	83,998	1,251,806
7	For street lighting	8,943,676	91,247	30,592	336,690	298,347	1,836,730
8	Private Stations	191,516,597	3,869,853	1,246,074	12,439,626	3,138,236	97,005,905
9	Non-generating	5,526,064	42,730	3,167	1,362,338	984,148	1,230,443
10	Generating	185,990,533	3,827,123	1,242,907	11,077,288	2,154,088	95,775,462
11	Hydraulic	173,475,773	3,827,123	33,544	7,038,868	1,974,440	95,256,250
12	Thermal	12,514,760	—	1,209,363	4,038,420	179,648	519,212
13	Public Stations	277,530,754	132,877	309,147	5,281,275	9,065,215	53,470,289
14	Non-generating	52,669,659	—	—	1,140,760	1,327,664	1,557,569
15	Generating	224,861,095	132,877	309,147	4,140,515	7,737,551	51,912,720
16	Hydraulic	198,379,150	—	—	4,140,515	1,664,088	51,888,012
17	Thermal	26,481,945	132,877	309,147	—	6,073,463	24,708
18	Revenue of non-generating stations	58,195,723	42,730	3,167	2,503,098	2,311,812	2,788,012
19	Revenue of generating stations	410,851,628	3,960,000	1,552,054	15,217,803	9,891,639	147,688,182
20	Hydraulic	371,854,923	3,827,123	33,544	11,179,383	3,638,528	147,144,262
21	Thermal	38,996,705	132,877	1,518,510	4,038,420	6,253,111	543,920
	Average Revenue:						
22	per h.p. of capacity	29.95	35.19	72.41	48.41	45.33	20.47
23	per kva. of capacity	35.85	40.95	89.51	57.11	51.75	23.85
24	per domestic service customer	51.25	43.24	65.92	45.32	50.06	38.43
25	per commercial light customer	181.73	157.57	219.47	183.16	163.84	167.52
26	per small power customer	301.80	719.37	510.34	262.03	658.86	271.88
27	per large power customer	9,928.64	32,166.21	8,721.64	18,149.09	15,508.30	29,221.29
28	In cents per kilowatt hour consumed	0.74	1.59	3.94	1.73	1.60	0.43
29	In cents per kilowatt hour — domestic and farm service	1.70	2.45	5.71	2.90	4.07	1.78
30	In cents per kilowatt hour — commercial light	2.08	3.02	4.90	3.72	3.17	1.93

1. Gross revenue less cost of power interchanged between stations.

2. Adjusted for power purchased from another province. *

3. Adjusted for power purchased from Quebec plants.

TABLEAU 3. Recettes, 1953¹

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.		No
\$	\$	\$	\$	\$	\$		
						Recettes:	
186,409,697 ²	23,356,747 ²	17,765,979 ²	23,820,895	46,546,077 ²	1,454,537	Provenant de la vente d'électricité	1
70,792,425	11,089,198	7,968,126	8,214,938	20,786,553	214,979	Pour éclairage ménager	2
28,417,308	4,348,888	4,351,940	6,188,310	11,576,797	240,032	Pour éclairage commercial	3
6,599,276	878,170	1,546,493	2,618,899	1,883,270	52,930	Pour énergie (petite)	4
72,673,290	6,407,324	3,294,500	6,032,197	11,416,109	934,195	Pour énergie (grosse)	5
3,827,007	189,240	143,282	258,360	56,522	3,304	Pour énergie (municipale)	6
4,100,391	443,927	461,638	508,191	826,826	9,097	Pour éclairage des rues	7
11,219,544	11,230,190	2,961,355	14,352,499	36,871,985	564,862	Centrales privées	8
3,079,440	1,774,199	31,772	105,592	133,910	117,586	Non génératrices	9
8,140,104	9,455,991	2,929,583	14,246,907	36,738,075	447,276	Génératrices	10
7,707,847	9,455,991	1,260,918	10,201,164	36,447,836	316,063	Hydrauliques	11
432,257	—	1,668,665	4,045,743	290,239	131,213	Thermiques	12
175,190,153	12,126,557	14,804,624	9,468,396	9,674,092	889,675	Centrales publiques	13
35,564,883	6,490,356	1,761,338	3,287,796	1,632,670	—	Non génératrices	14
139,625,270	5,636,201	13,043,286	6,180,600	8,041,422	889,675	Génératrices	15
139,514,104	5,503,651	—	—	7,567,274	889,675	Hydrauliques	16
111,166	132,550	13,043,286	6,180,600	474,148	—	Thermiques	17
38,644,323	8,264,555	1,793,110	3,393,388	1,766,580	117,586	Recettes des centrales non génératrices	18
147,765,374	15,092,192	15,972,869	20,427,507	44,779,497	1,336,951	Recettes des centrales génératrices	19
147,221,951	14,959,642	1,260,918	10,201,164	44,015,110	1,205,738	Hydrauliques	20
543,423	132,550	14,711,951	10,226,343	764,387	131,213	Thermiques	21
						Recettes moyennes:	
31.44 ³	31.05	38.25	47.81	44.08	88.41	par h.p. de puissance	22
39.86 ³	40.43	45.24	57.24	50.86	103.33	par kva. de puissance	23
55.24	61.18	66.05	47.30	65.76	104.56	par abonné d'éclairage ménager	24
182.16	158.40	170.72	186.63	228.38	446.16	par abonné d'éclairage commercial	25
357.41	136.66	390.13	250.71	296.44	468.41	par abonné pour petite énergie	26
15,618.59	1,115.68	6,709.78	2,222.62	8,538.60	24,584.08	par abonné pour grosse énergie	27
0.78	0.72	1.51	1.78	1.37	1.69	Cents par kwh. consommé	28
1.37	1.23	3.52	2.91	2.30	6.05	Cents par kwh. — service ménager et agricole	29
1.58	1.89	4.09	3.69	2.90	6.21	Cents par kwh. — service commercial	30

1. Revenu brut moins le coût de l'énergie échangée entre les centrales.
2. Ajusté pour tenir compte de l'énergie achetée d'une autre province.
3. Ajusté pour tenir compte des achats de l'énergie des centrales du Québec.

TABLE 4. Expenses, 1953¹

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
		\$	\$	\$	\$	\$	\$
	Expenses:						
1	Total	317,669,816	1,773,680	930,870	14,217,820	7,925,886	75,163,704
2	Per cent of total for Canada	100.00	0.56	0.29	4.48	2.49	23.66
3	Salaries and wages	115,652,039	975,191	343,046	3,791,010	2,413,936	27,023,401
4	Fuel	19,797,354	69,625	361,105	3,929,512	1,784,020	347,695
5	Taxes ²	47,367,243	502,098	189,235	2,031,041	325,861	24,651,617
6	Cost of power	134,853,180	226,766	37,484	4,466,257	3,402,069	23,140,991
	Private Stations:						
7	Total	108,048,193	1,697,408	777,829	9,952,537	2,577,839	50,466,418
8	Salaries and wages	36,079,545	944,974	292,778	2,610,379	535,807	17,990,595
9	Fuel	5,615,241	23,570	259,000	3,248,232	69,509	316,788
10	Taxes ²	38,096,130	502,098	188,507	1,927,145	319,453	19,856,313
11	Cost of power	28,257,277	226,766	37,484	2,166,801	1,653,070	12,302,722
12	Non-generating stations	10,529,803	53,490	2,556	2,100,693	2,059,783	935,801
13	Generating stations	97,518,390	1,643,918	775,273	7,851,864	518,056	49,530,617
14	Hydraulic stations	89,431,751	1,643,918	29,852	4,616,919	369,988	49,190,341
15	Thermal stations	8,086,639	—	745,421	3,234,945	148,068	340,276
	Public Stations:						
16	Total	209,621,623	76,272	153,041	4,265,263	5,348,047	24,697,286
17	Salaries and wages	79,572,494	30,217	50,268	1,180,631	1,878,129	9,032,806
18	Fuel	14,182,113	46,055	102,045	681,280	1,714,511	30,907
19	Taxes ²	9,271,113	—	728	103,896	6,408	4,795,304
20	Cost of power	106,595,903	—	—	2,299,456	1,748,999	10,838,269
21	Non-generating stations	99,434,374	—	—	2,521,919	1,862,730	1,495,298
22	Generating stations	110,187,249	76,272	153,041	1,743,344	3,485,317	23,201,988
23	Hydraulic stations	97,903,122	—	—	1,743,344	149,863	23,201,988
24	Thermal stations	12,284,127	76,272	153,041	—	3,335,454	—
	Non-generating Stations:						
25	Total	109,964,177	53,490	2,556	4,622,612	3,922,513	2,431,099
26	Salaries and wages	21,483,199	12,051	223	778,962	560,888	701,649
27	Fuel	54,376	—	—	—	26,682	—
28	Taxes ²	2,147,682	2,766	—	357,741	183,854	6,240
29	Cost of power	86,278,920	38,673	2,333	3,485,909	3,151,089	1,723,210
	Generating Stations:						
30	Total	207,705,639	1,720,190	928,314	9,595,208	4,003,373	72,732,605
31	Salaries and wages	94,168,840	963,140	342,823	3,012,048	1,853,048	26,321,752
32	Fuel	19,742,978	69,625	361,105	3,929,512	1,757,338	347,695
33	Taxes ²	45,219,561	499,332	189,235	1,673,300	142,007	24,645,377
34	Cost of power	48,574,260	188,093	35,151	980,348	250,980	21,417,781
35	Hydraulic stations	187,334,873	1,643,918	29,852	6,360,263	519,851	72,392,329
36	Thermal stations	20,370,766	76,272	898,462	3,234,945	3,483,522	340,276

1. Includes only the four items listed.
 2. Sales tax not included (see page 9).

TABLEAU 4. Dépenses, 1953¹

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.		No
\$	\$	\$	\$	\$	\$		
162,322,094	10,620,905	9,832,867	11,541,742	22,799,895	540,353	Dépenses:	
51,10	3,34	3,10	3,63	7,18	0,17	Total	1
56,774,585	5,690,675	4,374,737	4,114,346	9,914,257	236,855	Pourcentage du total pour le Canada.....	2
7,337,761	59,327	3,184,995	1,407,127	1,276,723	39,464	Salaires et gages	3
5,529,923	739,907	457,929	3,359,192	9,534,213	46,227	Combustible.....	4
92,679,825	4,130,996	1,815,206	2,661,077	2,074,702	217,307	Taxes ²	5
						Achat d'énergie électrique	6
						Centrales privées:	
12,142,296	3,824,462	1,683,940	6,273,767	18,218,065	433,612	Total.....	7
1,709,387	1,286,158	665,845	2,325,834	7,573,913	143,875	Salaires et gages	8
80,132	—	665,464	625,228	301,555	25,703	Combustible.....	9
2,059,202	522,296	329,185	2,942,538	9,403,166	46,227	Taxes ²	10
8,293,575	2,016,008	23,446	380,167	939,431	217,807	Achat d'énergie électrique	11
2,830,547	2,073,407	25,701	80,588	211,126	156,111	Centrales non génératrices	12
9,311,749	1,751,055	1,658,239	6,193,179	18,006,939	277,501	Centrales génératrices.....	13
9,278,127	1,751,055	676,927	3,974,179	17,802,652	97,793	Centrales hydrauliques	14
33,622	—	981,312	2,219,000	204,287	179,708	Centrales thermiques	15
						Centrales publiques:	
150,179,798	6,796,443	8,148,927	5,267,973	4,581,830	106,741	Total.....	16
55,065,198	4,404,517	3,708,892	1,788,512	2,340,344	92,980	Salaires et gages	17
7,257,629	59,327	2,519,531	781,899	975,168	13,761	Combustible.....	18
3,470,721	217,611	128,744	416,654	131,047	—	Taxes ²	19
84,386,250	2,114,988	1,791,760	2,280,910	1,135,271	—	Achat d'énergie électrique	20
83,193,903	3,931,689	1,650,557	3,385,553	1,392,725	—	Centrales non génératrices	21
66,985,895	2,864,754	6,498,370	1,882,422	3,189,105	106,741	Centrales génératrices.....	22
66,932,455	2,805,792	—	—	2,962,939	106,741	Centrales hydrauliques	23
53,440	58,962	6,498,370	1,882,422	226,166	—	Centrales thermiques	24
						Centrales non génératrices:	
86,024,450	6,005,096	1,676,258	3,466,141	1,603,851	156,111	Total.....	25
16,093,354	1,824,909	218,623	897,165	356,388	38,987	Salaires et gages	26
26,898	—	—	—	—	796	Combustible.....	27
1,115,512	80,862	128,744	233,754	15,643	22,566	Taxes ²	28
68,788,686	4,099,325	1,328,891	2,335,222	1,231,820	93,762	Achat d'énergie électrique	29
						Centrales génératrices:	
76,297,644	4,615,809	8,156,609	8,075,601	21,196,044	384,242	Total.....	30
40,681,231	3,865,766	4,156,114	3,217,181	9,557,869	197,868	Salaires et gages	31
7,310,863	59,327	3,184,995	1,407,127	1,276,723	38,668	Combustible.....	32
4,414,411	659,045	329,185	3,125,438	9,518,570	23,661	Taxes ²	33
23,891,139	31,671	486,315	325,855	842,882	124,045	Achat d'énergie électrique	34
76,210,582	4,556,847	676,927	3,974,179	20,765,591	204,534	Centrales hydrauliques	35
87,062	58,962	7,479,682	4,101,422	430,453	179,708	Centrales thermiques	36

1. Ne comprend que les quatres articles énumérés.

2. Taxe des ventes non comprises (Voir page 9).

TABLE 5. Number of Customers, 1953

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia-	New Brunswick	Québec
	Number of Customers:						
1	Total	3,817,281	45,742	13,855	164,840	125,401	1,034,783
2	Per cent of total for Canada	100.00	1.20	0.36	4.32	3.29	27.11
3	Domestic service	3,283,486	40,855	11,293	141,961	110,779	903,315
4	Commercial light	443,993	4,318	2,477	18,243	12,643	112,974
5	Power (small)	65,897	510	41	4,155	1,650	13,775
6	Power (large)	18,669	34	22	356	201	3,080
7	Power (municipal)	1,222	2	3	17	29	264
8	Street lighting	4,014	23	19	108	99	1,375
	Private Stations:						
9	Total	1,233,847	44,610	11,121	101,580	27,343	560,941
10	Domestic service	1,056,631	39,866	8,963	87,530	23,632	492,888
11	Commercial light	145,075	4,189	2,118	10,853	3,258	57,817
12	Power (small)	21,068	498	4	2,955	361	6,664
13	Power (large)	8,628	34	13	180	65	2,050
14	Power (municipal)	476	1	2	5	7	206
15	Street lighting	1,969	22	16	57	20	1,316
	Public Stations:						
16	Total	2,583,434	1,132	2,734	63,260	98,058	473,842
17	Domestic service	2,226,855	989	2,325	54,431	87,147	410,427
18	Commercial light	298,918	129	359	7,390	9,385	55,157
19	Power (small)	44,829	12	37	1,200	1,289	7,111
20	Power (large)	10,041	—	9	176	136	1,030
21	Power (municipal)	746	1	1	12	22	58
22	Street lighting	2,045	1	3	51	79	59
	Non-generating Stations:						
23	Total	1,351,586	2,127	65	67,170	52,097	64,227
24	Private	123,934	2,127	65	34,306	22,072	28,141
25	Public	1,227,652	—	—	32,864	30,025	36,086
26	Domestic service	1,161,064	1,955	61	57,666	44,681	56,745
27	Commercial light	158,168	170	4	7,557	6,416	6,527
28	Power (small)	26,025	—	—	1,744	881	707
29	Power (large)	4,594	1	—	147	78	89
30	Power (municipal)	639	—	—	14	13	23
31	Street lighting	1,096	1	—	42	28	136
	Generating Stations:						
32	Total	2,465,695	43,615	13,790	97,670	73,304	970,556
33	Hydraulic Stations	2,130,723	42,483	631	91,849	8,104	963,975
34	Private	1,036,524	42,483	631	61,453	5,129	526,393
35	Public	1,094,199	—	—	30,396	2,975	437,582
36	Domestic service	1,848,410	37,911	498	79,236	6,858	840,959
37	Commercial light	236,190	4,019	128	10,043	1,146	105,548
38	Power (small)	30,784	498	4	2,328	66	13,030
39	Power (large)	12,990	33	—	177	19	2,976
40	Power (municipal)	327	1	—	2	7	240
41	Street lighting	2,022	21	1	63	8	1,222
42	Thermal Stations	334,972	1,132	13,159	5,821	65,200	6,581
43	Private	73,389	—	10,425	5,821	142	6,407
44	Public	261,583	1,132	2,734	—	65,058	174
45	Domestic service	274,012	989	10,734	5,059	59,240	5,611
46	Commercial light	49,635	129	2,345	643	5,081	899
47	Power (small)	9,088	12	37	83	703	38
48	Power (large)	1,085	—	22	32	104	15
49	Power (municipal)	256	1	3	1	9	1
50	Street lighting	896	1	18	3	63	17

TABLEAU 5. Nombre d'usagers, 1953

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.		No
Nombre d'usagers:							
1,461,946	221,383	151,232	220,659	374,685	2,755	Total	1
38,30	5,80	3,96	5,76	9,81	0,07	Pourcentage du total pour le Canada	2
1,281,545	181,243	120,640	173,692	316,107	2,056	Service ménager	3
156,002	27,455	25,492	33,159	50,692	538	Éclairage commercial	4
18,464	6,426	3,964	10,446	6,353	113	Énergie (petite)	5
4,653	5,743	491	2,714	1,337	38	Énergie (grosse)	6
575	8	37	250	31	6	Énergie (municipale)	7
707	508	608	398	165	4	Éclairage des rues	8
Nombre d'usagers des centrales privées:							
36,749	55,686	11,192	94,916	287,102	2,607	Total	9
32,508	45,243	9,555	71,548	242,939	1,954	Service ménager	10
3,834	7,168	1,275	15,687	38,372	504	Éclairage commercial	11
240	433	319	4,924	4,559	111	Énergie (petite)	12
122	2,826	19	2,134	1,154	31	Énergie (grosse)	13
5	1	—	238	7	4	Énergie (municipale)	14
40	15	24	385	71	3	Éclairage des rues	15
Nombre d'usagers des centrales publiques:							
1,425,197	165,697	140,040	125,743	87,583	148	Total	16
1,249,037	136,000	111,085	102,144	73,168	102	Service ménager	17
152,168	20,287	24,217	17,472	12,320	34	Éclairage commercial	18
18,224	5,993	3,645	5,522	1,794	2	Énergie (petite)	19
4,531	2,917	472	580	183	7	Énergie (grosse)	20
570	7	37	12	24	2	Énergie (municipale)	21
667	493	584	13	94	1	Éclairage des rues	22
Nombre d'usagers des centrales non génératrices:							
942,756	110,891	23,386	57,964	29,686	1,217	Total	23
16,012	13,493	531	2,078	3,892	1,217	Privées	24
926,744	97,398	22,855	55,886	25,794	—	Publiques	25
814,232	92,602	19,623	47,695	14,980	824	Service ménager	26
108,639	14,414	2,729	7,325	4,075	312	Éclairage commercial	27
15,527	2,863	980	2,772	501	50	Énergie (petite)	28
3,478	514	34	146	83	24	Énergie (grosse)	29
536	4	10	10	25	4	Énergie (municipale)	30
344	494	10	16	22	3	Éclairage des rues	31
Nombre d'usagers des centrales génératrices:							
519,190	110,492	127,846	162,695	344,999	1,538	Total	32
517,643	109,312	80	56,825	339,575	246	Centrales hydrauliques	33
20,248	42,193	80	56,825	280,991	98	Privées	34
497,395	67,119	—	—	58,584	148	Publiques	35
465,909	87,720	60	42,473	286,595	191	Service ménager	36
47,235	12,849	1	9,173	46,012	36	Éclairage commercial	37
2,929	3,500	17	2,830	5,579	3	Énergie (petite)	38
1,172	5,229	2	2,122	1,247	13	Énergie (grosse)	39
38	2	—	30	5	2	Énergie (municipale)	40
360	12	—	197	137	1	Éclairage des rues	41
Centrales thermiques							42
1,547	1,180	127,766	105,870	5,424	1,292	Privées	43
489	—	10,581	36,013	2,219	1,292	Publiques	44
1,058	1,180	117,185	69,857	3,205	—	Service ménager	45
1,404	921	100,957	83,524	4,532	1,041	Éclairage commercial	46
128	192	22,762	16,661	805	190	Énergie (petite)	47
8	63	2,967	4,844	273	60	Énergie (grosse)	48
3	—	455	446	7	1	Énergie (municipale)	49
1	2	27	210	1	—	Éclairage des rues	50
3	2	598	185	6	—		

TABLE 6. Domestic Service, 1939-1953

	Number of Customers — Nombre d'usagers	Kilowatt Hours Consumed — Kilowatt- heures consommés	Revenue — Recettes	Kw. Hrs. per Customer — Kwh. par usager	Average Annual Bill — Compte moyen de l'année	Revenue per Kw. Hr. — Recettes par kwh.
		('000)	\$		\$	cents
CANADA:						
1939	1,623,672	2,310,891	43,793,482	1,423	26.97	1.90
1949	2,619,831	5,678,847	90,302,748	2,168	34.47	1.59
1950	2,797,378	6,750,303	109,015,402	2,413	38.97	1.61
1951	2,951,988	7,726,114	127,660,008	2,617	43.25	1.65
1952	3,112,306	8,741,182	144,650,270	2,809	46.48	1.65
1953	3,283,486	9,877,727	168,271,169	3,008	51.25	1.70
Change — Changement, 1939-1953:						
Amount — Volume	1,659,814	7,566,836	124,477,687	1,585	24.28	- 0.20
Per cent — p.c.	102.23	327.44	284.24	111.38	90.03	- 10.53
Newfoundland:						
1949	28,725	31,906	759,347	1,111	26.44	2.38
1950	30,311	40,051	835,530	1,321	27.57	2.09
1951	34,457	48,258	1,162,483	1,401	33.74	2.41
1952	38,560	61,577	1,488,195	1,597	38.59	2.42
1953	40,855	71,977	1,766,709	1,762	43.24	2.45
Prince Edward Island:						
1939	5,067	2,908	163,226	574	32.21	5.61
1949	8,966	9,433	506,897	1,052	56.54	5.37
1950	10,298	10,526	583,765	1,022	56.69	5.55
1951	10,624	11,479	586,456	1,080	55.20	5.11
1952	10,669	11,954	678,396	1,120	63.59	5.68
1953	11,293	13,042	744,426	1,155	65.92	5.71
Change — Changement, 1939-1953:						
Amount — Volume	6,226	10,134	581,200	581	33.71	+ 0.10
Per cent — p.c.	122.87	348.49	356.07	101.22	104.66	+ 1.78
Nova Scotia:						
1939	62,034	39,084	1,709,507	630	27.56	4.37
1949	107,516	127,666	3,974,574	1,187	36.97	3.11
1950	124,860	147,522	4,421,444	1,181	35.41	3.00
1951	128,322	168,349	5,258,257	1,312	40.98	3.12
1952	136,175	189,712	5,709,408	1,393	41.93	3.01
1953	141,961	222,194	6,433,199	1,565	45.32	2.90
Change — Changement, 1939-1953:						
Amount — Volume	79,927	183,110	4,723,692	935	17.76	- 1.47
Per cent — p.c.	128.84	468.50	276.32	148.41	64.44	- 33.64
New Brunswick:						
1939	46,485	26,989	1,307,772	581	28.13	4.85
1949	87,827	87,846	3,348,391	1,000	38.12	3.81
1950	95,540	97,752	3,746,973	1,023	39.22	3.83
1951	101,151	110,734	4,688,817	1,095	46.35	4.23
1952	105,801	122,859	5,072,097	1,161	47.94	4.13
1953	110,779	136,213	5,545,393	1,230	50.06	4.07
Change — Changement, 1939-1953:						
Amount — Volume	64,294	109,224	4,237,621	649	21.93	- 0.78
Per cent — p.c.	138.31	404.70	324.03	111.70	77.96	- 16.08
Québec:						
1939	434,825	311,420	9,167,384	716	21.08	2.94
1949	741,941	999,216	20,379,739	1,347	27.47	2.04
1950	778,878	1,199,887	23,820,883	1,541	30.58	1.99
1951	820,705	1,434,277	27,420,175	1,748	33.41	1.91
1952	860,891	1,680,591	31,020,796	1,952	36.03	1.85
1953	903,315	1,954,815	34,715,223	2,164	38.43	1.78
Change — Changement, 1939-1953:						
Amount — Volume	468,490	1,643,395	25,547,839	1,448	17.35	- 1.16
Per cent — p.c.	107.74	527.71	278.68	202.23	82.31	- 39.46

Note: Analysis of Domestic Service for 1953 is on page 17.

TABLEAU 6. Service ménager, 1939-1953

	Number of Customers — Nombre d'usagers	Kilowatt Hours Consumed — Kilowatt- heures consommés	Revenue — Recettes	Kw. Hrs. per Customer — Kwh. par usager	Average Annual Bill — Compte moyen de l'année	Revenue per Kw. Hr. — Recettes par kwh.
		('000)	\$		\$	cents
Ontario:						
1939	719,871	1,374,325	19,657,658	1,909	27.31	1.43
1949	1,036,705	3,076,688	34,813,383	2,968	33.58	1.13
1950	1,104,317	3,662,862	44,723,940	3,317	40.50	1.22
1951	1,162,711	4,148,661	51,900,489	3,568	44.64	1.25
1952	1,217,723	4,639,536	58,159,497	3,810	47.76	1.25
1953	1,281,545	5,166,056	70,792,425	4,031	55.24	1.37
Change — Changement, 1939-1953:						
Amount — Volume	561,674	3,791,731	51,134,767	2,122	27.93	- 0.06
Per cent — p.c.	78.02	275.90	260.13	111.16	102.27	- 4.20
Manitoba:						
1939	81,091	320,827	3,311,662	3,956	40.84	1.03
1949	131,284	616,272	6,810,980	4,694	51.88	1.11
1950	144,122	689,335	7,938,900	4,783	55.08	1.15
1951	157,795	759,478	8,964,554	4,813	56.81	1.18
1952	169,554	825,457	9,953,161	4,868	58.70	1.21
1953	181,243	898,876	11,089,198	4,960	61.18	1.23
Change — Changement, 1939-1953:						
Amount — Volume	100,152	578,049	7,777,536	1,004	20.34	+ 0.20
Per cent — p.c.	123.51	180.17	234.85	25.38	49.80	+ 19.42
Saskatchewan:						
1939	49,980	41,198	2,004,433	824	40.10	4.87
1949	87,987	105,522	4,171,599	1,199	47.41	3.95
1950	94,734	128,221	4,870,802	1,353	51.42	3.80
1951	99,260	152,010	5,628,742	1,531	56.71	3.70
1952	110,268	184,974	6,646,930	1,677	60.28	3.59
1953	120,640	226,507	7,968,126	1,878	66.05	3.52
Change — Changement, 1939-1953:						
Amount — Volume	70,660	185,309	5,963,693	1,054	25.95	- 1.35
Per cent — p.c.	141.38	449.80	297.53	127.91	64.71	- 27.72
Alberta:						
1939	68,267	42,210	2,145,093	618	31.42	5.08
1949	121,440	130,328	4,614,214	1,073	38.00	3.54
1950	134,132	164,205	5,384,777	1,224	40.15	3.28
1951	143,962	199,287	6,305,129	1,384	43.80	3.16
1952	158,359	233,236	7,134,034	1,473	45.05	3.06
1953	173,692	282,152	8,214,938	1,624	47.30	2.91
Change — Changement, 1939-1953:						
Amount — Volume	105,425	239,942	6,069,845	1,006	15.88	- 2.17
Per cent — p.c.	154.43	568.45	282.96	162.78	50.54	- 42.72
British Columbia:						
1939	156,052	151,930	4,326,747	974	27.73	2.85
1949	265,835	491,897	10,799,002	1,850	40.62	2.20
1950	278,417	607,427	12,525,229	2,182	44.99	2.06
1951	291,165	690,904	15,572,304	2,373	53.48	2.25
1952	302,339	788,168	18,602,342	2,607	61.53	2.36
1953	316,107	902,341	20,786,553	2,855	65.76	2.30
Change — Changement, 1939-1953:						
Amount — Volume	160,055	750,411	16,459,806	1,881	38.03	0.55
Per cent — p.c.	102.57	493.92	380.42	193.12	137.14	19.30
Yukon and Northwest Territories:						
1949	1,605	2,073	124,622	1,292	77.65	6.01
1950	1,769	2,515	163,159	1,422	92.23	6.49
1951	1,836	2,677	172,602	1,458	94.01	6.45
1952	1,967	3,118	185,414	1,585	94.26	5.95
1953	2,056	3,554	214,979	1,729	104.56	6.05

Nota. L'analyse du service ménager en 1953 paraît à la page 17.

TABLE 7. Employees, 1953

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
Employees:							
1	Total	49,169	529	136	1,762	1,387	10,504
2	Per cent of total for Canada.....	100.00	1.08	0.28	3.58	2.82	21.36
3	Salaried (officers, clerks, other).....	15,944	90	65	673	391	3,779
4	Wage Earners	33,225	439	71	1,089	996	6,725
In Private Stations:							
5	Total	12,809	519	107	1,185	188	6,323
6	Salaried (officers, clerks, other).....	4,785	88	59	301	43	2,455
7	Wage Earners	8,024	431	48	884	145	3,868
8	Non-generating	658	4	2	186	87	250
9	Generating.....	12,151	515	105	999	101	6,073
10	Hydraulic.....	11,123	515	4	831	78	5,991
11	Thermal	1,028	—	101	168	23	82
In Public Stations:							
12	Total	36,360	10	29	577	1,199	4,181
13	Salaried (officers, clerks, other).....	11,159	2	6	372	348	1,324
14	Wage Earners	25,201	8	23	205	851	2,857
15	Non-generating	7,539	—	—	174	138	152
16	Generating.....	28,821	10	29	403	1,061	4,029
17	Hydraulic.....	26,064	—	—	403	31	4,029
18	Thermal	2,757	10	29	—	1,030	—
In Non-generating Stations:							
19	Total	8,197	4	2	360	225	402
20	Salaried (officers, clerks, other).....	3,027	3	—	124	107	114
21	Wage Earners	5,170	1	2	236	118	288
In Generating Stations:							
22	Total	40,972	525	134	1,402	1,162	10,102
23	Salaried (officers, clerks, other).....	12,917	87	65	549	284	3,665
24	Wage Earners	28,055	438	69	853	878	6,437
25	Hydraulic.....	37,187	515	4	1,234	109	10,020
26	Thermal	3,785	10	130	168	1,053	82

TABLEAU 7. Employés, 1953

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.		No
						Employés:	
25,884	2,570	1,578	1,682	3,072	65	Total	1
52.64	5.23	3.21	3.42	6.25	0.13	Pourcentage du total national	2
7,748	837	488	568	1,283	22	A salaire (administrateurs, commis, autres)	3
18,136	1,733	1,090	1,114	1,789	43	A gages	4
						Dans les centrales privées:	
564	502	226	1,034	2,123	38	Total	5
127	256	80	355	1,007	14	A salaire (administrateurs, commis, autres)	6
437	246	146	679	1,116	24	A gages	7
71	11	5	16	16	10	Non génératrices	8
493	491	221	1,018	2,107	28	Génératrices	9
490	491	101	531	2,078	13	Hydrauliques.....	10
3	—	120	487	29	15	Thermiques	11
						Dans les centrales publiques:	
25,320	2,068	1,352	648	949	27	Total	12
7,621	581	408	213	276	8	A salaire (administrateurs, commis, autres)	13
17,699	1,487	944	435	673	19	A gages	14
5,435	1,183	74	281	102	—	Non génératrices	15
19,885	885	1,278	367	847	27	Génératrices	16
19,878	871	—	—	825	27	Hydrauliques.....	17
7	14	1,278	367	22	—	Thermiques	18
						Dans les centrales non génératrices:	
5,506	1,194	79	297	118	10	Total	19
2,138	318	40	139	39	5	A salaire (administrateurs, commis, autres)	20
3,368	876	39	158	79	5	A gages	21
						Dans les centrales génératrices:	
20,378	1,376	1,499	1,385	2,954	55	Total	22
5,610	519	448	429	1,244	17	A salaire (administrateurs, commis, autres)	23
14,768	857	1,051	956	1,710	38	A gages	24
20,368	1,362	101	531	2,903	40	Hydrauliques.....	25
10	14	1,398	854	51	15	Thermiques	26

TABLE 8. Thermal Plant Equipment Operated by Hydraulic Stations and by Non-generating Stations, 1953

No.		Unit	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
1	Total Primary Power	h.p.	1,287,824	4,647	240	118,021	8,725	48,532
2	Per cent of total for Canada	—	100.00	0.36	0.02	9.17	0.68	3.77
3	Steam reciprocating engines	No.	13	—	1	3	2	—
4	Total capacity	h.p.	4,818	—	75	1,190	800	—
5	Steam turbines	No.	65	—	—	11	3	8
6	Total capacity	h.p.	1,185,011	—	—	110,424	1,925	36,224
7	Gas and oil engines	No.	179	7	1	19	7	16
8	Total capacity	h.p.	97,995	4,647	165	6,407	6,000	12,308
9	Total Dynamo Capacity	kva.	1,022,642	3,912	168	99,881	7,031	43,332
Private Stations								
10	Total Primary Power	h.p.	167,682	4,647	240	80,643	4,765	12,568
11	Steam reciprocating engines	No.	13	—	1	3	2	—
12	Total capacity	h.p.	4,318	—	75	1,190	800	—
13	Steam turbines	No.	24	—	—	4	3	3
14	Total capacity	h.p.	129,903	—	—	76,393	1,925	3,500
15	Gas and oil engines	No.	62	7	1	5	3	12
16	Total capacity	h.p.	32,961	4,647	165	3,055	2,040	9,068
17	Total Dynamo Capacity	kva.	136,931	3,912	168	66,068	3,585	10,513
Public Stations								
18	Total Primary Power	h.p.	1,120,142	—	—	37,378	3,960	35,964
19	Steam reciprocating engines	No.	—	—	—	—	—	—
20	Total capacity	h.p.	—	—	—	—	—	—
21	Steam turbines	No.	41	—	—	7	—	5
22	Total capacity	h.p.	1,055,108	—	—	34,026	—	32,724
23	Gas and oil engines	No.	117	—	—	14	4	4
24	Total capacity	h.p.	65,034	—	—	3,352	3,960	3,240
25	Total Dynamo Capacity	kva.	885,711	—	—	33,813	3,446	32,819
Hydraulic Stations								
26	Total Primary Power	h.p.	1,256,597	4,647	240	107,495	3,440	37,808
27	Steam reciprocating engines	No.	8	—	1	—	—	—
28	Total capacity	h.p.	2,828	—	75	—	—	—
29	Steam turbines	No.	53	—	—	7	—	6
30	Total capacity	h.p.	1,164,711	—	—	104,173	—	25,500
31	Gas and oil engines	No.	158	7	1	12	3	16
32	Total capacity	h.p.	89,058	4,647	165	3,322	3,440	12,308
33	Total Dynamo Capacity	kva.	995,401	3,912	168	91,018	2,976	33,332
Non-generating Stations								
34	Total Primary Power	h.p.	31,227	—	—	10,526	5,285	10,724
35	Steam reciprocating engines	No.	5	—	—	3	2	—
36	Total capacity	h.p.	1,990	—	—	1,190	800	—
37	Steam engines	No.	12	—	—	4	3	2
38	Total capacity	h.p.	20,300	—	—	6,251	1,925	10,724
39	Gas and oil engines	No.	21	—	—	7	4	—
40	Total capacity	h.p.	8,937	—	—	3,085	2,560	—
41	Total Dynamo Capacity	kva.	27,241	—	—	8,863	4,055	10,000

TABLEAU 8. Outillage thermique des centrales hydrauliques et des centrales non génératrices, 1953

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	Unité		No
964,851	35,980	—	18,963	86,919	946	h.p.	Total, énergie primaire	1
74.92	2.79	—	1.47	6.75	0.07	—	Pourcentage du total national	2
—	—	—	7	—	—	nomb.	Machines à vapeur, à mouvement alternatif	3
—	—	—	2,753	—	—	h.p.	Capacité totale	4
20	6	—	4	12	1	nomb.	Turbines à vapeur	5
951,820	35,980	—	15,000	33,478	160	h.p.	Capacité totale	6
20	—	—	7	95	7	nomb.	Moteurs à gaz et à pétrole	7
13,031	—	—	1,210	53,441	786	h.p.	Capacité totale	8
752,851	32,556	—	16,662	65,478	771	kva.	Capacité totale des dynamos	9
Centrales privées								
7,670	—	—	18,963	37,880	306	h.p.	Total, énergie primaire	10
—	—	—	7	—	—	nomb.	Machines à vapeur, à mouvement alternatif	11
—	—	—	2,753	—	—	h.p.	Capacité totale	12
1	—	—	4	8	1	nomb.	Turbines à vapeur	13
4,020	—	—	15,000	28,900	160	h.p.	Capacité totale	14
7	—	—	7	17	3	nomb.	Moteurs à gaz et à pétrole	15
3,650	—	—	1,210	8,980	146	h.p.	Capacité totale	16
7,031	—	—	16,662	28,734	258	kva.	Capacité totale des dynamos	17
Centrales publiques								
957,181	35,980	—	—	49,039	640	h.p.	Total, énergie primaire	18
—	—	—	—	—	—	nomb.	Machines à vapeur, à mouvement alternatif	19
—	—	—	—	—	—	h.p.	Capacité totale	20
19	6	—	—	4	—	nomb.	Turbines à vapeur	21
947,800	35,980	—	—	4,578	—	h.p.	Capacité totale	22
13	—	—	—	78	4	nomb.	Moteurs à gaz et à pétrole	23
9,381	—	—	—	44,461	640	h.p.	Capacité totale	24
745,820	32,556	—	—	36,744	513	kva.	Capacité totale des dynamos	25
Centrales hydrauliques								
961,801	34,740	—	18,963	86,823	640	h.p.	Total, énergie primaire	26
—	—	—	7	—	—	nomb.	Machines à vapeur, à mouvement alternatif	27
—	—	—	2,753	—	—	h.p.	Capacité totale	28
20	4	—	4	12	—	nomb.	Turbines à vapeur	29
951,820	34,740	—	15,000	33,478	—	h.p.	Capacité totale	30
15	—	—	7	93	4	nomb.	Moteurs à gaz et à pétrole	31
9,981	—	—	1,210	53,345	640	h.p.	Capacité totale	32
750,007	31,400	—	16,662	65,413	513	kva.	Capacité totale des dynamos	33
Centrales non génératrices								
3,050	1,240	—	—	96	306	h.p.	Total, énergie primaire	34
—	—	—	—	—	—	nomb.	Machines à vapeur, à mouvement alternatif	35
—	—	—	—	—	—	h.p.	Capacité totale	36
—	2	—	—	—	1	nomb.	Turbines à vapeur	37
—	1,240	—	—	—	160	h.p.	Capacité totale	38
5	—	—	—	2	3	nomb.	Moteurs à gaz et à pétrole	39
3,050	—	—	—	96	146	h.p.	Capacité totale	40
2,844	1,156	—	—	65	258	kva.	Capacité totale des dynamos	41

TABLE 9. Total Equipment, 1953 (including thermal equipment—table 8)

No.		Unit	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
1	Total Primary Power	h.p.	15,661,037	113,761	21,479	366,071	269,231	7,352,335
2	Per cent of total for Canada.....	—	100.00	0.73	0.14	2.34	1.72	46.95
3	Water wheels and turbines	No.	953	37	5	56	15	306
4	Total capacity	h.p.	13,423,378	106,850	369	146,735	133,600	7,297,533
5	Steam reciprocating engines.....	No.	16	—	1	3	4	—
6	Total capacity	h.p.	7,368	—	75	1,190	2,600	—
7	Steam turbines	No.	156	—	5	23	17	9
8	Total capacity	h.p.	2,041,185	—	16,680	211,579	118,645	36,374
9	Gas and oil engines.....	No.	470	17	8	21	24	32
10	Total capacity	h.p.	189,106	6,911	4,355	6,567	14,386	18,428
11	Total Dynamo Capacity.....	kva.	13,083,874	97,730	17,375	310,280	235,823	6,309,094
12	Per cent of total for Canada.....	—	100.00	0.75	0.13	2.37	1.80	48.22
13	Dynamos, A.C.	No.	1,560	54	17	92	59	348
14	Total capacity	kva.	13,081,831	97,730	17,080	309,980	235,823	6,309,094
15	Dynamos, D.C.	No.	21	—	3	1	—	—
16	Total capacity	kw.	2,043	—	295	300	—	—
Private Stations								
17	Total Primary Power	h.p.	8,278,142	111,497	17,289	224,013	106,070	5,536,436
18	Water wheels and turbines	No.	497	37	5	14	8	213
19	Total capacity	h.p.	7,804,711	106,850	369	42,055	94,000	5,517,598
20	Steam reciprocating engines.....	No.	13	—	1	3	2	—
21	Total capacity	h.p.	4,818	—	75	1,190	800	—
22	Steam turbines	No.	66	—	5	16	6	4
23	Total capacity	h.p.	410,586	—	16,680	177,553	8,975	3,650
24	Gas and oil engines.....	No.	199	7	1	7	5	28
25	Total capacity	h.p.	58,027	4,647	165	3,215	2,295	15,188
26	Total Dynamo Capacity.....	kva.	6,946,737	96,094	13,774	190,492	92,760	4,673,293
27	Dynamos, A.C.	No.	765	44	10	39	20	246
28	Total capacity	kva.	6,944,890	96,094	13,479	190,192	92,760	4,673,293
29	Dynamos, D.C.	No.	13	—	3	1	—	—
30	Total capacity	kw.	1,847	—	295	300	—	—
Public Stations								
31	Total Primary Power	h.p.	7,382,895	2,264	4,190	142,058	163,161	1,815,899
32	Water wheels and turbines	No.	456	—	—	42	7	93
33	Total capacity	h.p.	5,618,667	—	—	104,680	39,600	1,779,935
34	Steam reciprocating engines.....	No.	3	—	—	—	2	—
35	Total capacity	h.p.	2,550	—	—	—	1,800	—
36	Steam turbines	No.	90	—	—	7	11	5
37	Total capacity	h.p.	1,630,599	—	—	34,026	109,670	32,724
38	Gas and oil engines.....	No.	271	10	7	14	19	4
39	Total capacity	h.p.	131,079	2,264	4,190	3,352	12,091	3,240
40	Total Dynamo Capacity.....	kva.	6,137,137	1,636	3,601	119,788	143,063	1,635,801
41	Dynamos, A.C.	No.	795	10	7	53	39	102
42	Total capacity	kva.	6,136,941	1,636	3,601	119,788	143,063	1,635,801
43	Dynamos, D.C.	No.	8	—	—	—	—	—
44	Total capacity	kw.	196	—	—	—	—	—
Hydraulic Stations								
45	Total Dynamo Capacity.....	kva.	12,248,647	96,094	481	214,619	120,601	6,294,255
46	Dynamos, A.C.	No.	1,150	44	3	65	18	329
47	Total capacity	kva.	12,247,067	96,094	186	214,619	120,601	6,294,255
48	Dynamos, D.C.	No.	9	—	3	—	—	—
49	Total capacity	kw.	1,580	—	295	—	—	—
Thermal Stations								
50	Total Dynamo Capacity.....	kva.	807,986	1,636	16,894	86,798	111,167	4,839
51	Dynamos, A.C.	No.	376	10	14	14	33	17
52	Total capacity	kva.	807,823	1,636	16,894	86,798	111,167	4,839
53	Dynamos, D.C.	No.	11	—	—	—	—	—
54	Total capacity	kw.	163	—	—	—	—	—
Non-generating Stations								
55	Total Dynamo Capacity.....	kva.	27,241	—	—	8,863	4,055	10,000

1. Generating equipment for the Yukon and Northwest Territories is located mainly in the mining and smelting industry.

TABLEAU 9. Outillage global, 1953 (y compris l'outillage thermique — tableau 8)

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon ¹ and N.W.T.	Unité		No
4, 750, 893	752, 250	464, 416	498, 252	1, 055, 897	16, 452	h.p.	Total, énergie primaire	1
30.34	4.80	2.96	3.18	6.74	0.10	—	Pourcentage du total national	2
397	44	7	15	66	5	nomb.	Turbines et roues hydrauliques	3
3, 739, 776	715, 000	109, 800	205, 900	953, 075	14, 740	h.p.	Capacité totale.....	4
—	—	1	7	—	—	nomb.	Machines à vapeur, à mouvement alternatif	5
—	—	750	2, 753	—	—	h.p.	Capacité totale.....	6
24	6	28	28	15	1	nomb.	Turbines à vapeur	7
997, 570	35, 980	311, 419	272, 000	40, 778	160	h.p.	Capacité totale.....	8
23	3	123	85	120	14	nomb.	Moteurs à gaz et à pétrole	9
13, 547	1, 270	42, 447	17, 599	62, 044	1, 552	h.p.	Capacité totale.....	10
3, 797, 937	577, 651	392, 670	416, 136	915, 101	14, 077	kva.	Capacité totale des dynamos	11
29.03	4.42	3.00	3.18	6.99	0.11	—	Pourcentage du total pour le Canada	12
439	53	143	136	199	20	nomb.	Dynamos, C.A.	13
3, 797, 822	577, 651	392, 507	415, 036	915, 031	14, 077	kva.	Capacité totale.....	14
2	—	11	2	2	—	nomb.	Dynamos, C.D.	15
115	—	163	1, 100	70	—	kw.	Capacité totale.....	16
Centrales privées								
541, 435	514, 000	158, 755	293, 877	770, 308	4, 462	h.p.	Total, énergie primaire	17
131	20	7	15	44	3	nomb.	Turbines et roues hydrauliques	18
487, 979	514, 000	109, 800	205, 900	722, 770	3, 390	h.p.	Capacité totale.....	19
—	—	—	7	—	—	nomb.	Machines à vapeur, à mouvement alternatif	20
—	—	—	2, 753	—	—	h.p.	Capacité totale.....	21
5	—	4	14	11	1	nomb.	Turbines à vapeur	22
49, 770	—	47, 998	69, 600	36, 200	160	h.p.	Capacité totale.....	23
8	—	20	79	34	10	nomb.	Moteurs à gaz et à pétrole	24
3, 686	—	957	15, 624	11, 338	912	h.p.	Capacité totale.....	25
457, 338	374, 500	133, 300	237, 894	673, 728	3, 564	kva.	Capacité totale des dynamos	26
142	20	24	116	90	14	nomb.	Dynamos, C.A.	27
457, 338	374, 500	133, 218	236, 794	673, 658	3, 564	kva.	Capacité totale.....	28
—	—	5	2	2	—	nomb.	Dynamos, C.D.	29
—	—	82	1, 100	70	—	kw.	Capacité totale.....	30
Centrales publiques								
4, 209, 458	238, 250	305, 661	204, 375	285, 589	11, 990	h.p.	Total, énergie primaire	31
266	24	—	—	22	2	nomb.	Turbines et roues hydrauliques	32
3, 251, 797	201, 000	—	—	230, 305	11, 350	h.p.	Capacité totale.....	33
—	—	1	—	—	—	nomb.	Machines à vapeur, à mouvement alternatif	34
—	—	750	—	—	—	h.p.	Capacité totale.....	35
19	6	24	14	4	—	nomb.	Turbines à vapeur	36
947, 800	35, 980	263, 421	202, 400	4, 578	—	h.p.	Capacité totale.....	37
15	3	103	6	86	4	nomb.	Moteurs à gaz et à pétrole	38
9, 861	1, 270	41, 490	1, 975	50, 706	640	h.p.	Capacité totale.....	39
3, 340, 599	203, 151	259, 370	178, 242	241, 373	10, 513	kva.	Capacité totale des dynamos	40
297	33	119	20	109	6	nomb.	Dynamos, C.A.	41
3, 340, 484	203, 151	259, 289	178, 242	241, 373	10, 513	kva.	Capacité totale.....	42
2	—	6	—	—	—	nomb.	Dynamos, C.D.	43
115	—	81	—	—	—	kw.	Capacité totale.....	44
Centrales hydrauliques								
3, 757, 528	575, 400	93, 000	182, 827	900, 636	13, 206	kva.	Capacité totale des dynamos	45
429	48	7	31	167	9	nomb.	Dynamos, C.A.	46
3, 757, 413	575, 400	93, 000	181, 727	900, 566	13, 206	kva.	Capacité totale.....	47
2	—	—	2	2	—	nomb.	Dynamos, C.D.	48
115	—	—	1, 100	70	—	kw.	Capacité totale.....	49
Centrales thermiques								
37, 565	1, 095	299, 670	233, 309	14, 400	613	kva.	Capacité totale des dynamos	50
7	3	136	105	30	7	nomb.	Dynamos, C.A.	51
37, 565	1, 095	299, 507	233, 309	14, 400	613	kva.	Capacité totale.....	52
—	—	11	—	—	—	nomb.	Dynamos, C.D.	53
—	—	163	—	—	—	kw.	Capacité totale.....	54
Centrales non génératrices								
2, 844	1, 156	—	—	65	258	kva.	Capacité totale des dynamos	55

1. L'outillage générateur du Yukon et des Territoires du Nord-Ouest paraît en majeure partie dans l'industrie de l'extraction minière et de la fonte des métaux.

TABLE 10. Electric Energy Generated, 1953

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
All Stations							
1	Total Kilowatt Hours Generated ('000)	62,860,927	251,427	39,439	1,025,903	746,304	33,793,797
2	Per cent of total for Canada	100.00	0.40	0.06	1.63	1.19	53.76
3	Kilowatt hours generated by non-generating stations ('000)	4,358	—	—	—	2,232	—
4	Kilowatt hours generated by generating stations ('000)	62,356,569	251,427	39,439	1,025,903	744,072	33,793,797
5	Kva. capacity of generating stations	13,056,633	97,730	17,375	301,417	231,768	6,299,034
6	Ratio of output to maximum capacity (p.c.)	54.96	29.37	25.91	33.85	36.65	61.24
7	Average kilowatt hours per kva.	4,814	2,573	2,270	3,404	3,210	5,365
Generating Stations							
Private:							
Total							
8	Kilowatt hours generated ('000)	34,411,223	248,415	31,657	610,992	417,181	25,146,379
9	Kva. capacity	6,937,347	96,094	13,774	186,604	90,425	4,673,293
10	Ratio of output to maximum capacity (p.c.)	56.62	29.51	26.24	37.38	52.67	61.43
11	Average kilowatt hours per kva.	4,960	2,585	2,298	3,274	4,614	5,381
Hydraulic Stations							
12	Kilowatt hours generated ('000)	33,800,980	248,415	382	328,389	402,579	25,133,661
13	Kva. capacity	6,683,663	96,094	481	99,806	53,800	4,668,454
14	Ratio of output to maximum capacity (p.c.)	57.73	29.51	9.07	37.56	54.84	61.46
15	Average kilowatt hours per kva.	5,057	2,585	794	3,290	4,804	5,334
Thermal Stations							
16	Kilowatt hours generated ('000)	610,243	—	31,275	282,603	14,602	12,718
17	Kva. capacity	253,634	—	13,293	86,798	6,625	4,839
18	Ratio of output to maximum capacity (p.c.)	27.46	—	26.86	37.17	25.10	30.00
19	Average kilowatt hours per kva.	2,406	—	2,353	3,256	2,204	2,628
Public:							
Total							
20	Kilowatt hours generated ('000)	28,445,346	3,012	7,782	414,911	326,891	8,647,418
21	Kva. capacity	6,119,236	1,636	3,601	114,813	141,343	1,625,801
22	Ratio of output to maximum capacity (p.c.)	53.06	21.02	24.67	41.25	26.40	60.72
23	Average kilowatt hours per kva.	4,648	1,841	2,161	3,614	2,313	5,319
Hydraulic Stations							
24	Kilowatt hours generated ('000)	27,263,140	—	—	414,911	102,065	8,647,109
25	Kva. capacity	5,564,984	—	—	114,813	36,801	1,625,801
26	Ratio of output to maximum capacity (p.c.)	55.94	—	—	41.25	31.66	60.72
27	Average kilowatt hours per kva.	4,900	—	—	3,614	2,773	5,319
Thermal Stations							
28	Kilowatt hours generated ('000)	1,177,206	3,012	7,782	—	224,826	309
29	Kva. capacity	554,302	1,636	3,601	—	104,542	3
30	Ratio of output to maximum capacity (p.c.)	24.24	21.02	24.67	—	24.55	—
31	Average kilowatt hours per kva.	2,124	1,841	2,161	—	2,151	—
Hydraulic Stations:							
32	Kilowatt hours generated ('000)	61,069,120	248,415	382	743,300	504,644	33,780,770
33	Kva. capacity	12,248,647	96,094	481	214,619	120,601	6,294,255
34	Ratio of output to maximum capacity (p.c.)	56.92	29.51	9.07	39.54	47.77	61.27
35	Average kilowatt hours per kva.	4,986	2,585	794	3,463	4,184	5,367
36	Kilowatt hours generated by water power ('000)	58,926,462	247,187	366	471,769	497,690	33,770,297
37	Kilowatt hours generated by thermal plants operated by hydraulic systems ('000)	2,142,658	1,228	16	271,531	6,954	10,473
Thermal Stations:							
38	Kilowatt hours generated ('000)	1,787,449	3,012	39,057	282,603	239,428	13,027
39	Kva. capacity	807,986	1,636	16,894	36,793	111,167	4,839
40	Ratio of output to maximum capacity (p.c.)	25.25	21.02	26.39	37.17	24.59	30.73
41	Average kilowatt hours per kva.	2,212	1,841	2,312	3,256	2,154	2,692
Consumption of Electric Energy ('000):							
42	Total kilowatt hours generated	62,860,927	251,427	39,439	1,025,903	746,304	33,793,797
43	Kilowatt hours imported from the United States	180,637	—	—	—	3	720
44	Kilowatt hours imported from other provinces	—	—	—	—	15,001	9,421
45	Kilowatt hours exported to the United States	2,424,030	—	—	—	37,975	32,564 ²
46	Kilowatt hours exported to other provinces	—	—	—	6,910	555	5,411,457
47	Kilowatt Hours for Consumption in Canada ('000)	60,617,534	251,427	39,439	1,018,993	722,778	28,359,917
48	Domestic service	9,877,727	71,977	13,042	222,194	136,213	1,954,815
49	Commercial light	3,831,423	22,556	11,094	89,764	65,246	981,760
50	Small power	1,895,839	10,894	594	40,832	39,518	1,172,879
51	Large power ¹	37,334,460	104,598	7,447	539,745	420,648	21,889,024
52	Municipal power	815,083	369	749	4,143	3,740	202,191
53	Street lighting	379,815	3,659	766	9,065	9,382	77,590
54	Free service (other than street lighting)	69,596	2,765	10	176	429	52,056
55	Losses	6,363,591	33,909	5,737	113,054	47,602	2,029,602

1. Excludes exports to other provinces and/or to the United States.

2. Exports of 645,411,000 kw. hrs. of Quebec power to U.S.A. through Ontario are credited to Ontario (See page 9 for explanation).

3. Generating equipment is located mainly in other industries.

TABLEAU 10. Énergie électrique produite, 1953

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.		No
Toutes centrales							
18,268,311	2,753,939	1,174,131	1,339,927	3,381,624	86,125	Total kwh produits (milliers)	1
29.06	4.38	1.87	2.13	5.38	0.14	Pourcentage du total national	2
2,101	—	—	—	—	25	Kwh.produits par les usines non-génératrices (milliers)	3
18,266,210	2,753,939	1,174,131	1,339,927	3,381,624	86,100	Kwh.produits par les usines génératrices (milliers)	4
3,795,093	576,495	392,670	416,136	915,036	13,819 ³	Capacité des usines génératrices en kva.	5
54.94	54.53	34.13	36.76	42.19	—	Proportion de la production à la capacité maximum (%)	6
4,813	4,777	2,990	3,220	3,696	—	Moyenne de kwh par kva	7
Génératrices							
Privées:							
Total							
1,799,324	1,882,534	648,431	938,242	2,652,553	35,515	Kwh.produits (milliers)	8
454,494	374,500	133,300	237,894	673,663	3,306	Capacité en kva	9
45.19	57.38	55.53	45.02	44.95	—	Proportion de la production à la capacité maximum (%)	10
3,959	5,027	4,864	3,944	3,938	—	Moyenne de kwh.par kva	11
Centrales hydrauliques							
1,788,628	1,882,534	553,459	797,009	2,631,213	34,711	Kwh.produits (milliers)	12
417,329	374,500	93,000	182,827	664,679	2,693	Capacité en kva	13
48.92	57.38	67.93	49.76	45.19	—	Proportion de la production à la capacité maximum (%)	14
4,286	5,027	5,951	4,359	3,959	—	Moyenne de kwh.par kva	15
Centrales thermiques							
10,696	—	94,972	141,233	21,340	804	Kwh.produits (milliers)	16
37,165	—	40,300	55,067	8,984	613 ³	Capacité en kva	17
—	—	26.90	29.28	27.11	—	Proportion de la production à la capacité maximum (%)	18
—	—	2,357	2,565	2,375	—	Moyenne de kwh.par kva	19
Publiques:							
Total							
16,466,886	871,405	525,700	401,685	729,071	50,585	Kwh.produits (milliers)	20
3,340,599	201,995	259,370	178,242	241,373	10,513	Capacité en kva	21
56.27	49.25	23.14	25.73	34.48	54.93	Proportion de la production à la capacité maximum (%)	22
4,929	4,314	2,027	2,254	3,021	4,812	Moyenne de kwh.par kva	23
Centrales hydrauliques							
16,464,775	869,048	—	—	719,647	50,585	Kwh.produits (milliers)	24
3,340,199	200,900	—	—	235,957	10,513	Capacité en kva	25
56.27	49.38	—	—	34.82	54.93	Proportion de la production à la capacité maximum (%)	26
4,929	4,326	—	—	3,050	4,812	Moyenne de kwh.par kva	27
Centrales thermiques							
2,111	2,357	525,700	401,685	9,424	—	Kwh.produits (milliers)	28
400	1,095	259,370	178,242	5,416	—	Capacité en kva	29
60.25	24.57	23.14	25.73	19.86	—	Proportion de la production à la capacité maximum (%)	30
5,278	2,153	2,027	2,254	1,740	—	Moyenne de kwh.par kva	31
Toutes centrales hydrauliques:							
18,253,403	2,751,582	553,459	797,009	3,350,860	85,296	Kwh.produits (milliers)	32
3,757,528	575,400	93,000	182,827	900,636	13,206	Capacité en kva	33
55.45	54.59	67.93	49.76	42.47	73.73	Proportion de la production à la capacité maximum (%)	34
4,858	4,782	5,951	4,359	3,721	6,459	Moyenne de kwh.par kva	35
16,478,543	2,750,270	553,459	796,106	3,276,091	84,684	Kwh.produits par énergie hydraulique (milliers)	36
1,774,860	1,312	—	903	74,769	612	Kwh.produits par les thermiques des centrales hydrauliques (milliers)	37
Toutes centrales thermiques:							
12,807	2,357	620,672	542,918	30,764	804	Kwh.produits (milliers)	38
37,565	1,095	299,670	233,309	14,400	613 ³	Capacité en kva	39
—	24.57	23.64	26.56	24.39	—	Proportion de la production à la capacité maximum (%)	40
—	2,153	2,071	2,327	2,136	—	Moyenne de kwh.par kva	41
Consommation d'énergie électrique (milliers):							
18,268,311	2,753,939	1,174,131	1,339,927	3,381,624	86,125	Total, kwh.produits	42
174,477	804	123	345	4,165	—	Kwh.importés des États-Unis	43
5,403,366	508,517	1,204	—	540	—	Kwh.importés d'autres provinces	44
2,044,718 ²	6	—	—	308,767	—	Kwh.exportés aux États-Unis	45
8,866	1,204	508,517	540	—	—	Kwh.exportés à d'autres provinces	46
21,792,570	3,262,050	666,941	1,339,732	3,077,562	86,125	Kwh.consomés au Canada (milliers)	47
5,166,056	898,876	226,507	282,152	902,341	3,554	Service ménager	48
1,803,444	230,186	106,340	167,527	399,621	3,865	Éclairage commercial	49
327,407	86,811	50,904	89,813	75,226	961	Petite énergie	50
10,800,019	1,575,920	122,825	590,147	1,218,015	66,072	Grosse énergie	51
437,721	124,118	11,242	20,168	4,746	5,396	Énergie (municipale)	52
180,582	29,116	13,104	17,805	38,346	200	Éclairage des rues	53
7,827	601	294	2,524	1,591	1,323	Service gratuit (autre que l'éclairage des rues)	54
3,069,514	316,422	135,725	169,596	437,676	4,754	Pertes	55

1. Sans les exportations à d'autres provinces et/ou aux États-Unis.

2. L'exportation de 645,411,000 kwh d'énergie du Québec aux É.-U. en passant par l'Ontario est attribué à l'Ontario. (Voir explication, page 9).

3. L'outillage générateur est situé principalement dans d'autres industries.

TABLE 11. Fuel Used to Develop Power, 1953

No.		Bituminous Coal — Charbon Bitumineux			
		Canadian — Canadien		Imported — Importé	
		Quantity — Quantité	Value — Valeur	Quantity — Quantité	Value — Valeur
		Tons — tonnes	\$	Tons — tonnes	\$
1	Canada	796,819	6,511,541	851,771	7,126,880
2	Newfoundland.....	—	—	—	—
3	Prince Edward Island	—	—	—	—
4	Nova Scotia	1,199	14,473	—	—
5	New Brunswick	361,989	3,618,438	—	—
6	Quebec	176,538	1,623,534	—	—
7	Ontario	2,135	25,434	—	—
8	Manitoba	—	—	851,771	7,126,880
9	Saskatchewan.....	—	—	—	—
10	Alberta	212,631 ¹	988,920	—	—
11	British Columbia	31,473 ¹	155,839	—	—
12	Yukon and Northwest Territories	10,849 ¹	84,903	—	—
		Fuel Oil and Diesel Oil Mazout et huile diesel		Manufactured Gas Gaz fabriqué	
No.		Quantity — Quantité	Value — Valeur	Quantity — Quantité	Value — Valeur
		Gal.	\$	'000 cu. ft. — pds. cu.	\$
13	Canada	40,862,526	4,310,324	8,014,963	238,813
14	Newfoundland.....	349,266	69,594	—	—
15	Prince Edward Island	3,635,065	346,587	—	—
16	Nova Scotia	423,138	72,764	8,013,988	238,310
17	New Brunswick	837,858	160,486	—	—
18	Quebec	1,547,691	322,261	—	—
19	Ontario	1,247,032	199,069	735	403
20	Manitoba	171,784	30,310	—	—
21	Saskatchewan.....	24,909,471	1,658,533	240	100
22	Alberta	1,746,240	281,215	—	—
23	British Columbia	5,853,956	1,130,041	—	—
24	Yukon and Northwest Territories	141,025	39,464	—	—

1. Includes sub-bituminous coal

Note: Tons = 2,000 lbs; gallons = Imperial.

TABLE 12. Pole Line Mileage, 1953

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
1	Pole Line Mileage, Total	213,176	1,940	714	9,503	8,610	35,173
2	Per cent of total for Canada	100.00	0.91	0.34	4.46	4.04	16.50
3	Miles of steel towers	8,527	114	—	25	400	1,769
4	Miles of steel poles	308	14	—	2	—	205
5	Miles of wooden poles	200,815	1,795	711	9,447	8,203	32,153
6	Miles of concrete poles	555	10	—	—	—	—
7	Miles of underground and submarine cable	2,971	7	3	29	7	1,046
8	Private Stations	75,021	1,893	583	4,291	734	30,603
9	Non-generating	7,441	13	19	1,378	245	4,989
10	Generating	67,580	1,880	564	2,913	489	25,614
11	Hydraulic	58,823	1,880	29	2,415	465	25,207
12	Thermal	8,757	—	535	498	24	407
13	Public Stations	138,155	47	131	5,212	7,876	4,570
14	Non-generating	41,627	—	—	979	293	434
15	Generating	96,528	47	131	4,233	7,583	4,136
16	Hydraulic	67,619	—	—	4,233	42	4,131
17	Thermal	28,909	47	131	—	7,541	5
18	Non-Generating Stations	49,068	13	19	2,357	538	5,423
19	Generating Stations	164,108	1,927	693	7,146	8,072	29,750
20	Hydraulic	126,442	1,880	29	6,648	507	29,338
21	Thermal	37,666	47	666	498	7,565	412

TABLEAU 11. Combustible employé pour la production d'énergie, 1953

Lignite Coal — Charbon lignite		Gasoline — Essence		
Canadian — Canadien				
Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur	No
Tons — tonnes	\$	Gal.	\$	
323, 201	665, 233	15, 588	3, 583	Canada
—	—	128	31	Terre-Neuve
—	—	100	45	Île-du-Prince-Edouard
—	—	—	—	Nouvelle-Écosse
—	—	—	—	Nouveau-Brunswick
—	—	—	—	Québec
2, 082	11, 201	595	203	Ontario
—	—	—	—	Manitoba
173, 964	395, 319	10, 862	1, 946	Saskatchewan
147, 155	258, 713	3, 863	1, 343	Alberta
—	—	40	10	Colombie-Britannique
—	—	—	—	Yukon et Territoires du Nord-Ouest
Natural Gas — Gaz naturel		Other Fuel — Autre combustible	Total Value — Valeur totale	
Quantity Quantité	Value Valeur	Value Valeur		
'000 cu. ft.— pds. cu.	\$	\$	\$	
6, 580, 467	810, 404	59, 821	19, 726, 599	Canada
—	—	—	69, 625	Terre-Neuve
—	—	—	361, 105	Île-du-Prince-Edouard
—	—	—	3, 929, 512	Nouvelle-Écosse
—	—	—	1, 784, 020	Nouveau-Brunswick
—	—	—	347, 695	Québec
—	—	—	7, 337, 761	Ontario
—	—	29, 017	59, 327	Manitoba
394, 210	69, 422	—	3, 114, 240	Saskatchewan
6, 107, 638	710, 017	—	1, 407, 127	Alberta
78, 619	30, 965	30, 804	1, 276, 723	Colombie-Britannique
—	—	—	39, 464	Yukon et Territoires du Nord-Ouest

1. Y compris la houille maigre.

Nota: Tonne = 2,000 livres; gallon = Impérial.

TABLEAU 12. Longueur (en milles) des lignes sur poteaux, 1953

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.	No
65,059	32,237	20,899	26,221	12,615	214	Longueur (en milles) des lignes sur poteaux, total
30,51	15,12	9,80	12,30	5,92	0,10	Pourcentage du total national
4,876	848	37	44	414	—	Milles de pylones d'acier
84	3	—	—	—	—	Milles de poteaux d'acier
58,210	31,306	20,819	26,025	11,934	212	Milles de poteaux de bois
544	1	—	—	—	—	Milles de poteaux de ciment
1,336	79	43	152	267	2	Milles de câbles souterrains et sous-marins
1,728	1,614	353	24,792	8,358	72	Centrales privées
270	368	10	64	64	21	Non génératrices
1,458	1,246	343	24,728	8,294	51	Génératrices
1,445	1,246	42	17,834	8,228	32	Hydrauliques
13	—	301	6,894	66	19	Thermiques
63,322	30,623	20,546	1,429	4,257	142	Centrales publiques
8,906	29,624	196	700	495	—	Non génératrices
54,416	999	20,350	729	3,762	142	Génératrices
54,385	991	—	—	3,695	142	Hydrauliques
31	8	20,350	729	67	—	Thermiques
9,176	29,992	206	764	559	21	Centrales non génératrices
55,874	2,245	20,693	25,457	12,056	193	Centrales génératrices
55,830	2,237	42	17,834	11,923	174	Hydrauliques
44	8	20,651	7,623	133	19	Thermiques



CANADA

Electric power statistics

CENTRAL ELECTRIC STATIONS

CENTRALES ÉLECTRIQUES

1954



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CENTRAL ELECTRIC STATIONS

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CENTRAL ELECTRIC STATIONS

CENTRALES ÉLECTRIQUES

1954

For purposes of the annual census, central electric stations are defined as companies, municipalities, or individuals selling or distributing electric energy, whether generated by themselves or purchased for resale. The stations are divided into two classes according to ownership, viz., (a) privately owned,—those operated by companies or individuals, and (b) publicly-owned,—those operated by municipal, provincial or federal governments. The stations are also divided according to operation into (a) **generating**, those stations generating power which they sell (many of them also purchase power to supplement their own output), and (b) **non-generating**, those stations which purchase practically all the power they sell. In this last class there were 14 stations which were holding thermal generating equipment. Eleven of them purchased all their electric energy and the remaining three generated 1,331,000 kilowatt hours during 1954. This results in the rather anomalous item in table 9 purporting to show the output of "non-generating" stations.

Included in the report are statistics covering a few stations concerned primarily with other industries, such as mining, manufacturing of pulp and paper, etc., which sell surplus power. For such plants the statistics pertaining to the central electric station phase of the industry have been segregated as far as possible. Equipment, which is not used primarily for the Central Electric Station Industry, is not shown in the current report, accounting for the drop in the number of units listed for private stations as compared with years prior to 1947 and a rise in some provinces in the average number of kw. hrs. generated per kva. as shown in table 9. This applies especially in Saskatchewan, Alberta and in the Yukon and Northwest Territories.

Stations are allowed to file returns for their fiscal years, which are not calendar years in all cases. Consequently, the output as recorded in this annual report will not necessarily coincide with the output for the twelve calendar months shown in the monthly reports. The various data, however, in the annual reports are for comparable periods. Moreover, the monthly report does not include statistics for the smaller stations and shows the net amount of power generated¹ by reporting stations, whereas the annual report excludes all power for company use. For long term comparability, the monthly report retains the West Kootenay plants which were dropped from the annual in 1947, as their entire output was taken over by the purchasing company and is reported under the metal smelting and refining industry.

Primary power, also known in the industry as "firm power", is power delivered as and when required by the customer. During 1954, primary power consumed in Canada (including all line losses) increased from 57,063,045,000 kilowatt hours in 1953 to 59,644,381,000 a rise of 4.5 per cent, while the consumption of secondary power rose from 3,554,489,000 kilowatt hours in 1953 to 3,692,775,000 or by 3.9 per cent.

Secondary power is off-peak or surplus power delivered as available. Secondary power is subject to interruption or variation daily and seasonally and, consequently, is often sold at relatively low rates. The net output of electric energy for secondary use in Canada each month is shown in the following table:

1. Output less station use.

Aux fins du recensement annuel, les centrales électriques sont considérées comme des compagnies, municipalités ou particuliers qui vendent ou distribuent de l'énergie électrique produite par eux-mêmes ou achetée pour la revente. Les centrales sont divisées en deux catégories: a) de propriété privée,—centrales exploitées par des compagnies ou des particuliers, et b) de propriété publique,—centrales exploitées par les gouvernements municipaux, provinciaux ou fédéral. Elles sont aussi réparties selon leurs fonctions: a) **stations génératrices**, c.-à-d. celles qui produisent l'énergie qu'elles vendent (plusieurs d'entre elles achètent aussi de l'énergie pour suppléer à leur propre production) et b) **stations non génératrices**, c.-à-d. celles qui achètent presque toute l'énergie qu'elles vendent. Cette dernière catégorie comprenait 14 stations pourvues d'outillage générateur thermique. Onze d'entre elles achetaient toute leur énergie électrique; les trois autres n'ont produit ensemble que 1,331,000 kilowatt-heures en 1954, d'où le poste plutôt irrégulier qui a trait, au tableau 9, à la production des centrales "non génératrices".

Le présent rapport renferme aussi des statistiques sur les quelques centrales dont l'exploitation se rattache étroitement à l'extraction minière, à la fabrication de la pulpe et du papier etc., et qui vendent un excédent d'énergie. On a fait autant que possible, pour ces usines, la part des données qui portent sur les aménagements d'énergie électrique de l'industrie. L'outillage qui n'est pas absolument pertinent à l'industrie des centrales électriques n'apparaît pas dans le présent rapport; cela explique la diminution des unités au poste des centrales privées au regard des années antérieures à 1947, de même que la hausse, dans certaines provinces, du nombre moyen de kwh produit par kVa, au tableau 9. Cela s'applique spécialement à la Saskatchewan, à l'Alberta, au Yukon et aux Territoires du Nord-Ouest.

Les centrales peuvent faire rapport pour leur année financière qui n'est pas toujours l'année civile. Ainsi, la production indiquée dans le présent rapport ne coïncidera pas nécessairement avec celle que les rapports mensuels donnent pour les douze mois civils. Cependant, les diverses données des rapports annuels portent sur des périodes correspondantes. De plus, le rapport mensuel ne renferme pas de statistiques sur les petites centrales mais il indique la quantité nette d'énergie¹ produite par les centrales faisant rapport, tandis que le rapport annuel exclut toute l'énergie utilisée par la compagnie qui la produit. Pour fins de comparaison, le rapport mensuel mentionne toujours les centrales de West-Kootenay, centrales que le rapport annuel a mises de côté en 1947 quand leur production entière a été achetée par une compagnie; cette production est maintenant comprise à l'article de l'industrie de la fonte et du raffinage des métaux.

L'énergie primaire, aussi appelée "énergie ferme" dans l'industrie, est celle qui est livrée au consommateur sur demande. La consommation d'énergie primaire au Canada (y compris les pertes de transmission) est passée de 57,063,045,000 kwh en 1953 à 59,644,381,000 kwh en 1954, augmentation de 4.5 p.100; d'autre part, celle d'énergie secondaire est passée de 3,554,489,000 kwh à 3,692,775,000, soit une hausse de 3.9 p.100.

L'énergie secondaire est l'énergie hors-pointe ou en excédent livrée à mesure qu'elle devient disponible. Elle est sujette à des interruptions ou variations quotidiennes et saisonnières qui la font vendre souvent à des prix relativement bas. Le tableau suivant donne la production nette d'énergie électrique secondaire, par mois, au Canada:

1. Production, moins quantité utilisée par la centrale.

Secondary Power for use in Canada

(based on Monthly Reports)

Énergie secondaire disponible au Canada

(D'après les rapports mensuels)

Month	1950	1951	1952	1953	1954	Mois
('000 kw. hrs. — En milliers de kwh.)						
January	169,819	244,145	274,286	335,866	150,657	Janvier
February	194,374	228,816	264,343	377,424	170,339	Février
March	209,277	294,631	278,537	430,918	232,235	Mars
April	223,511	460,210	324,539	614,224	405,757	Avril
May	422,344	491,704	470,714	567,158	546,104	Mai
June	439,123	240,981	407,027	273,793	431,063	Juin
July	327,276	186,456	281,350	198,308	253,845	Juillet
August	200,387	121,216	307,743	115,562	167,397	Août
September	127,020	128,290	249,117	135,588	190,192	Septembre
October	153,273	206,104	318,200	166,852	357,796	Octobre
November	171,910	261,983	266,433	162,759	384,707	Novembre
December	255,070	272,175	300,678	176,032	402,683	Décembre
Total	2,893,384	3,136,711	3,742,967	3,554,489	3,692,775	Total

Exports and Imports

Following is a table showing the quantities of power exported and imported for the calendar years 1953 and 1954. The export data for this table were compiled largely from the reports of the Director of the Standards Branch, Department of Trade and Commerce. Import data were available from central electric stations reports.

Exportations et importations

Le tableau suivant donne la quantité d'énergie exportée et importée durant les années civiles 1953 et 1954. Les chiffres des exportations ont été calculés surtout d'après les rapports du Directeur de la Division des standards du ministère du Commerce. Ceux des importations ont été tirés des rapports des centrales électriques.

Exports and Imports of Electricity

(To and from United States)

Exportations et importations d'électricité

(Échanges avec les États-Unis)

Company — Compagnie	Exported — Exportée 1953	Imported — Importée 1953	Exported — Exportée 1954	Imported — Importée 1954
('000 Kw. Hrs. — En milliers de kwh.)				
Hydro Electric Power Commission of Ontario	352,129	174,477	307,550	113,039
Hydro Electric Power Commission of Ontario (surplus) — Niagara	473,096	—	—	—
Hydro Electric Power Commission of Ontario (surplus) — Cornwall	142,970	—	1,111,972	—
Canadian Niagara Power Company, Ltd.	316,641	—	312,291	—
Ontario Minnesota Power Company	69,899	—	68,749	—
Detroit and Windsor Subway Company	44,212	—	43,655	—
Quebec Hydro Commission (via Cedar Rapids Transmission)	360	—	336	—
Southern Canada Power Company	645,411	—	643,864	—
Southern Canada Power Company (surplus)	3,787	—	3,818	19
Maine and New Brunswick Electric Power Company	28,777	—	13,657	—
Maine and New Brunswick Electric Power Company (surplus)	28,666	—	42,138	—
Fraser Companies Limited	4,439	—	17,143	—
British Columbia Electric Company, Ltd.	7,864	—	3,024	—
Shawinigan Water & Power Company	308,695	4,165	150,006	4,393
Mississquoi Stone and Marble Company	—	158	—	203
Town of Emerson — Ville d'Emerson	—	239	—	151
Southern Utilities Company, Ltd.	—	804	—	868
Other	—	345	—	—
	84	449	105	351
Total	2,424,030	180,637	2,718,308	119,024

TABLE 1 — (pages 14-15). Comparative Summary, 1939-1954

Generation by all reporting stations during 1954 totalled 65,936,440,000 kilowatt hours, of which 2,718,308,000 were exported to the United States. Imports amounted to 119,024,000

TABLEAU 1 — (pages 14-15). Résumé comparatif, 1939-1954

La production totale des centrales faisant rapport a atteint 65,936,440,000 kwh en 1954, dont 2,718,308,000 ont été exportés aux États-Unis. Les importations, surtout par l'Ontario, se

kilowatt hours, mainly into Ontario. Private stations generated 33,383,202,000 kilowatt hours compared with 34,413,349,000 in 1953, while publicly-owned stations accounted for 32,553,238,000 or 49.4 per cent of the national total against 45.3 per cent in the preceding year. New installations contributed to the general advance over 1953. Of the total Canadian output 62,572,316,000 kilowatt hours or 95 per cent were produced from water power, whereas 2,003,150,000 kilowatt hours were produced by plants using thermal power only. In addition, 1,360,974,000 kilowatt hours were generated by thermal equipment in hydraulic and in non-generating stations.

Pole line mileage continued to advance steadily, aggregating 228,158 miles as compared with 213,176 miles in 1953 and 72,132 in 1939. Customers numbered 4,001,626, an increase of 184,171 or 4.8 per cent over¹ 1953 and 106.1 per cent over the 1939 figure. In the same span, the population of Canada rose almost 35 per cent. Domestic (including farm) customers represented 86 per cent of the national total in 1954.

Revenues received by central electric stations over the 16 year period, 1939 to 1954, rose from \$151,880,969 to \$505,526,254, an increase of 232.8 per cent, while electric energy generated advanced from 28,338 million kilowatt hours to 65,936 million or 133 per cent. The number of customers served also rose appreciably in all classes, with domestic consumers, including farm service, numbering 3,448,980 in 1954, an increase of 112 per cent over the 16 year period. Average consumption by domestic customers was 130 per cent above the 1939 average. With the steady expansion of publicly-owned facilities, municipal, provincial and federal systems secured 61.6 per cent of total revenues in 1954 as compared with 39.1 per cent in 1939. Revenues reported by all distributors from domestic service totalled \$190,692,703 in 1954 against \$168,271,169 in 1953 and \$43,793,482 in 1939. Commercial lighting produced \$88,910,945 or \$8,225,191 more than in 1953 while large power users, such as paper mills, smelters and factories, paid \$189,066,685 compared with \$185,299,581¹ in the previous year. Publicly-owned stations purchased, however, a considerable part of the output of private stations at wholesale and distributed it to their widespread customers. This is particularly true of Western Quebec where private stations, such as Gatineau Power and MacLaren, deliver a large part of their production across the Ottawa River to the Ontario Hydro-Electric Power Commission system. Revenues of public stations amounted to \$311,182,494 in 1954 as compared with \$194,343,760 for private stations and the public group had over twice as many customers as the private.

Expenses reported, which include four items only (wages, fuel, taxes and cost of power purchased) advanced from \$317,669,816 in 1953 to \$322,439,240 in 1954. Reported taxes were up \$3,315,622 to \$50,682,865. Details which are shown on page 9, indicate a rise in municipal taxes paid by both private and public stations. Salaries and wages totalled \$120,322,349 against \$115,652,039. The cost of purchased power (interchanged between stations) decreased from \$134,853,180 in 1953 to \$134,464,176. Fuel costs declined from \$19,797,354 to \$16,969,850, a drop of 14 per cent.

The total capacity of primary equipment in central electric plants registered an increase of 6.8 per cent from 1953, advancing 1,060,779 to 16,721,816 horse power. Primary here signifies water wheels and turbines, steam and internal combustion engines used to operate generators, which in turn are classed as secondary power equipment. The increase in total secondary capacity was 6.4 per cent over the 1953 figure.

1. Revised.

Note. Some comparisons with years previous to 1947 are affected by the *Consolidated Mining and Smelting Company* taking over the *West Kootenay* central electric plants 2, 3, 4 and 5 in British Columbia and absorbing the plants and their output as part of the mining and smelting industrial group.

sont chiffrées par 119,024,000 kwh. Les centrales privées ont produit 33,383,202,000 kwh contre 34,413,349,000 en 1953, tandis que les centrales publiques ont été comptables de 32,553,238,000 ou de 49.4 p.100 du total national contre 45.3 p.100 l'année précédente. Les nouveaux aménagements ont contribué à cette avance sur 1953. De la production canadienne totale, 62,572,316,000 kwh ou 95 p.100 ont été générés par l'énergie hydraulique, 2,003,150,000 kwh par des centrales qui ne produisaient que de l'énergie thermique. En outre 2,003,150,000 kwh ont été produits au moyen d'outillage thermique dans des centrales hydrauliques et dans des centrales non génératrices.

La longueur des lignes sur poteaux a continué de s'accroître pour atteindre 228,158 milles contre 213,176 en 1953 et 72,132 en 1939. Les usagers se sont chiffrés par 4,001,626, avance de 184,171 ou de 4.8 p.100 sur¹ 1953 et de 106.1 p.100 sur 1939. Durant la même période, la population du Canada a augmenté de près de 35 p.100. Les usagers ménagers (y compris les usagers agricoles) représentaient 86 p.100 du total national en 1954.

De 1939 à 1954, les recettes des centrales électriques sont passées de \$151,880,969 à \$505,526,254, augmentation de 232.8 p.100, tandis que la production d'énergie électrique est passée de 28,338 millions de kwh à 65,936 millions, avance de 133 p.100. Les usagers de toutes les catégories ont aussi augmenté de façon appréciable; ceux du service ménager, y compris le service agricole, sont passés à 3,448,980 en 1954, augmentation de 112 p.100 durant la période de 16 ans. Dans le cas des usagers domestiques, la consommation moyenne est de 130 p.100 plus élevée que celle de 1939. Grâce à l'expansion constante des services publics, les réseaux municipaux, provinciaux et fédéraux ont représenté 61.6 p.100 des recettes globales de 1954 au regard de 39.1 p.100 en 1939. Les recettes de tous les distributeurs et provenant du service ménager se sont chiffrées par \$190,692,703 en 1954 contre \$168,271,169 en 1953 et \$43,793,482 en 1939. L'éclairage commercial a donné \$88,910,945 ou \$8,225,191 de plus qu'en 1953 tandis que les gros usagers d'énergie comme les moulins à papier, les fonderies et les usines ont versé \$189,066,685 au regard de \$185,299,581¹ l'année précédente. Cependant, les centrales de propriété publique ont acheté une forte part de la production des centrales privées à leurs nombreux usagers. Cela s'est surtout produit dans l'ouest du Québec, où les centrales commerciales comme la *Gatineau Power* et la *MacLaren* ont livré une bonne partie de leur production par delà la rivière Ottawa, au réseau de la Commission hydro-électrique d'Ontario. Les recettes des centrales publiques se sont chiffrées par \$311,182,494 en 1954 contre \$194,343,760 pour les centrales privées. Les centrales publiques comptaient plus du double des clients des centrales privées.

Les dépenses déclarées, qui ne comprennent que quatre postes (salaires, combustible, taxes et coût de l'énergie achetée), sont passées de \$317,669,816 en 1953 à \$322,439,240 en 1954. Les taxes déclarées ont augmenté de \$3,315,622 pour s'établir à \$50,682,865. Le détail de la dépense, à la page 9, indique une augmentation des taxes municipales versées par les compagnies privées et publiques. Les salaires et gages se sont élevés à \$120,322,349 contre \$115,652,039. Le coût de l'énergie achetée (échanges entre les centrales) a diminué de \$134,853,180 en 1953 à \$134,464,176, et celui du combustible, de \$19,797,354 à \$16,969,850, recul de 14 p.100.

La capacité totale de l'outillage primaire dans les centrales d'énergie électrique a accusé une avance de plus de 6.8 p.100 sur 1953, passant de 1,060,779 à 16,721,816 h.p. Le mot primaire signifie ici les roues et turbines hydrauliques, les moteurs à vapeur et à combustion interne utilisés pour faire fonctionner les générateurs, qui, à leur tour, sont appelés outillage secondaire. L'augmentation de la capacité secondaire totale a été de 6.4 p.100 au regard de 1953.

1. Rectifié.

Nota. Certaines comparaisons avec les années antérieures à 1947 se ressentent de l'achat, par la *Consolidated Mining and Smelting Company*, des centrales *West-Kootenay* 2, 3, 4 et 5, en Colombie-Britannique, et de la fusion des centrales et de leur production dans le groupe industriel de l'extraction minière et de la fonte des métaux.

TABLE 2—(pages 16-17). Revenues

Revenue is gross revenue less cost of power. It is the revenue received from consumers (excepting in the large power class, from which the cost of electric energy purchased is deducted). Where power is purchased by a station in one province from a station in another province, the cost of such power is not deducted in computing provincial data. It is, however, deducted in computing the national totals.

Average revenues per kilowatt hour sold are not always indicative of the relative costs for similar services. The averages for domestic services and for commercial lighting are for more or less identical services for each station, but even here such factors as the use of electric stoves, space heaters, flat rate water heaters, the source of supply, the firm power load, the market for off-peak and surplus power and the cost of generation, transmission, and distribution all affect the rates. In computing the average total revenue per kilowatt hour, all line losses were included, but for domestic service and farm services, for commercial light, etc., line losses were not included, the consumptions for these services being measured at the consumers' meters. The average revenue per kilowatt hour consumed for each province is the revenue received from ultimate consumers within each province plus revenue received for power exported from the province, divided by the total kilowatt hours so sold, including all line losses. The average revenue of 1.69 cents per kilowatt hour for all domestic service (or 1.59 cents with farm service excluded) compares with an average of 2.69 cents in the United States. About 77 p.c. of U.S. generation in 1954 was by steam and internal combustion engine compared with only 5 p.c. in Canada. The average revenues per horsepower and per kilovolt ampere are affected by the classes of service and their relative importance in each province. Quebec stations sell large quantities of power to Ontario distributors. The Quebec stations are credited with the wholesale revenue and the Ontario stations with the retail revenue from this power. In computing the averages for Ontario stations, the equipment capacities shown in table 9 were increased one horsepower for each 4,576 kilowatt hours imported from Quebec stations and one kilovolt ampere for each 6,136 kilowatt hours imported. This is only an estimate of the equipment and was based on the Ontario Hydro-Electric Power Commission's contracts with Quebec companies which call for 88 kilowatt hours per week for each horsepower purchased.

Provincial and municipal taxes on domestic bills, where imposed, have not been included as either revenue or expenses. In Quebec a 2 p.c. provincial tax was in effect while in Saskatchewan a sales tax of 3 p.c. was collected. In British Columbia the sales tax was raised from 3 to 5 p.c. on April 1, 1954. (For further details see "Cost of Electricity for Domestic Service, etc. 1954" published by D.B.S.)

TABLE 3—(pages 18-19). Expenses

This table includes only the expense items, (1) salaries and wages, (2) fuel, (3) taxes and (4) cost of purchased power. The last is an intra-industry expense and might be omitted from the expenses of the industry as a whole. It shows, however, the extent of purchases of power by the different groups of stations. The cost of power item includes the cost to municipalities receiving their supply from provincial commissions as well as the interchange of power between generating stations and also between generating and non-generating. As explained above, the sales taxes on domestic bills have not been included in the taxes given in this table.

Reported Taxes

To supplement Table 3, the details of taxes reported by private and public stations follow.

TABLEAU 2—(pages 16-17). Recettes

Les recettes sont le revenu brut moins le coût de l'énergie. C'est l'argent perçu des consommateurs (sauf dans la catégorie de la grosse énergie, où l'achat d'énergie électrique est déduit du revenu). Là où l'énergie est échangée entre centrales de différentes provinces, le coût de cette énergie n'est pas déduit des données provinciales. Il est cependant déduit du total national.

Les recettes moyennes par kwh n'indiquent pas toujours le coût relatif de services de même nature. Les moyennes du service ménager et de l'éclairage commercial portent sur des services plus ou moins identiques pour chaque centrale, mais, même dans ce cas, des facteurs comme l'emploi de poêles électriques, de chauffe-électriques, de chauffe-eau à taux fixe, la source d'approvisionnement, la capacité en énergie ferme, les débouchés d'énergie secondaire et les frais de génération, de transmission et de distribution ont tous des effets sur les taux. Toutes les pertes de transmission sont entrées dans le calcul des recettes moyennes totales par kwh, la consommation, dans le cas de ces services, étant mesurée à l'aide des compteurs de courant chez les consommateurs. Le revenu moyen par kwh consommé dans chaque province est celui qui est perçu du consommateur définitif dans chacune, plus les recettes perçues pour l'énergie exportée de la province, le tout divisé par le total des kwh ainsi vendus, y compris les pertes de transmission. Le revenu moyen de 1.69 cent par kwh pour tout le service ménager (ou de 1.59 cent si l'on exclut le service agricole) se compare à la moyenne de 2.69 cents aux États-Unis. Environ 77 p.100 de la production d'énergie des États-Unis en 1954 s'est faite au moyen de moteurs à vapeur ou à combustion interne, en comparaison de 5 p.100 seulement au Canada. Les recettes moyennes par HP et par kVa dépendent des catégories de services et de leur importance relative dans chaque province. Les centrales du Québec vendent de fortes quantités d'énergie aux distributeurs de l'Ontario. Pour établir les moyennes, on a ajouté aux capacités indiquées au tableau 9 un HP pour chaque 4,576 kwh importés du Québec et un kVa pour chaque 5,136 kwh. Ce n'est là qu'une estimation de l'outillage, estimation fondée sur les contrats de la Commission hydro-électrique d'Ontario avec les compagnies du Québec. Ces contrats exigent 88 kwh par semaine pour chaque HP acheté.

Les taxes provinciales et municipales sur les comptes du service ménager, là où il s'en trouve, ne sont pas comprises dans les recettes, ni dans les dépenses. Au Québec, il y avait une taxe provinciale de 2 p.100 et en Saskatchewan, une taxe de vente de 3 p.100. En Colombie-Britannique la taxe de vente est passée de 3 à 5 p.100 le 1^{er} avril 1954. (Pour de plus amples détails, voir la publication du B.F.S. "Cost of Electricity for Domestic Service, etc., 1954".)

TABLEAU 3—(pages 18-19). Dépenses

Ce tableau ne comprend que les postes de dépenses suivants: 1) salaires et gages; 2) combustible; 3) taxes; 4) coût de l'énergie achetée. Ce dernier poste est une dépense interne de l'industrie et peut être omis des dépenses globales de l'industrie. Il indique cependant l'étendue des achats d'énergie par les différents groupes de centrales. Le coût de l'énergie comprend ce qu'il en coûte aux municipalités pour obtenir leur approvisionnement des commissions provinciales, de même que l'échange d'énergie entre les centrales génératrices et aussi entre les génératrices et les non-génératrices. Tel qu'il est expliqué plus haut, les taxes de vente sur les comptes ménagers ne sont pas comprises dans les chiffres donnés au présent tableau.

Taxes déclarées

Comme supplément au tableau 3, le détail des taxes déclarées par les centrales privées et publiques est donné ci-après.

Reported Taxes, 1954

Taxes déclarées, 1954

Province	Privately-Owned Stations Centrales privées				Publicly-Owned Stations Centrales publiques			
	Municipal Taxes municipales	Provincial Taxes provinciales	Federal Taxes fédérales	Total Taxes totales	Municipal Taxes municipales	Provincial Taxes provinciales	Federal Taxes fédérales	Total Taxes totales
Newfoundland.....	3,382	—	631,542	634,924	—	—	—	—
Prince Edward Island	43,322	325	145,911	189,558	—	3,997	898	4,895
Nova Scotia	877,656	7,113	1,386,488	2,271,257	101,268	1,000	3,837	106,105
New Brunswick	129,151	23,344	256,541	409,036	2,161	1,467	4,350	7,978
Québec	3,840,447	6,311,015	11,579,880	21,731,342	835,636	3,754,113	150,967	4,740,716
Ontario	557,976	5,710	1,574,933	2,138,619	1,771,046	271,207	1,202,775	3,245,028
Manitoba	28,044	857	1,949	30,850	491,969	—	31,349	523,318
Saskatchewan.....	71,321	3,651	292,243	367,215	219,798	—	4,382	224,180
Alberta	125,081	17,487	2,338,764	2,481,332	780,606	—	1,638	782,244
British Columbia	1,052,736	1,240,180	8,288,069	10,580,985	119,073	9,497	21,213	149,783
Yukon and Northwest Territories	3,776	262	58,889	62,927	—	—	573	573
Total	6,732,892	7,609,944	26,555,209	40,898,045	4,321,557	4,041,281	1,421,982	9,784,820
Total—Private stations—Centrales privées	6,732,892	7,609,944	26,555,209	40,898,045				
Total—Public stations—Centrales publiques	4,321,557	4,041,281	1,421,982	9,784,820				
Total	11,054,449	11,651,225	27,977,191	50,682,865				

In cases where the station absorbed the sales taxes, such taxes are included. Water rentals are excluded. The Federal Unemployment Insurance Tax did not apply generally to utility employees until September 1, 1943. All stations did not include under taxes, the federal and provincial taxes on gasoline used by their vehicles, etc. It is common practice to treat sales tax as part of the cost of the commodity. The Federal tax included income and excess profits tax, tax on exports of electricity, and the two mentioned above. The greater part of the municipal tax paid by public stations, was tax payments continued by the Provincial Commissions on plants acquired from privately-owned stations. Total taxes reported by the industry during 1954 were \$50,682,865.

Ces taxes ne sont incluses que dans quelques cas où la centrale a absorbé la taxe de vente. La location d'eau est exclue. La taxe fédérale d'assurance-chômage ne s'applique pas de façon générale à tous les employés des services d'utilité publique depuis le 1^{er} septembre 1943. De même, les centrales n'ont pas toutes inscrit au poste des taxes les impôts fédéraux et provinciaux sur l'essence utilisée par leurs véhicules, etc. Il est de pratique courante de considérer les taxes de vente comme étant une partie du coût du service. La taxe fédérale comprend les impôts sur le revenu et sur l'excédent de bénéfices, les droits d'exportation de l'électricité et les deux autres mentionnées plus haut. La majeure partie de la taxe municipale payée par les centrales publiques était des versements qu'ont continué de faire les Commissions provinciales pour des centrales acquises d'entreprises privées. Les taxes globales déclarées par l'industrie en 1954 se sont chiffrées par \$50,682,865.

TABLE 4—(pages 20-21). Number of Customers

As outlined under Table 2, stations report a segregation of customers into six classes, but in the past many stations included farm customers with domestic customers, and in the Bureau's reports all customers in these two classes consequently were combined under "Domestic Customers". Following is a table giving the farm customers as reported, together with the respective consumptions and revenues received from them. Such revenues do not include taxes paid by the consumer, as previously explained. Due to the increasing activity in rural electrification, it is probable that current data are more comprehensive than previously reported. Farm customers added during 1954 totalled 26,785 and the total for 1954 at 411,134 was up 7 per cent. For comparative purposes, farm and residential services are combined under "Domestic" in tables 2, 4 & 5 as in previous years. With 630,000 occupied farm dwellings in Canada (on the 1951 Census basis), the total of 411,134 farm customers indicates that 65 per cent enjoyed the benefits of power line service at the end of 1954 compared with about 94 per cent of the farms in the United States. The Prairie Provinces accounted for over half of the increase in farm customers reported for 1954.

TABLEAU 4—(pages 20-21). Nombre d'usagers

Tel qu'on l'a souligné dans l'explication du tableau 2, les centrales font, dans leur rapport, la distinction entre six catégories d'usagers, mais comme dans le passé plusieurs centrales comptaient les usagers agricoles avec ceux du service ménager, tous les usagers de ces deux catégories ont été réunis sous le titre d'usagers ménagers dans les rapports du Bureau. On donne au tableau suivant le nombre d'usagers agricoles tel qu'il a été déclaré, de même que la consommation respective par province et les recettes perçues d'eux. Ces recettes ne comprennent pas les taxes payées par le consommateur, comme il fut expliqué plus haut. Devant l'activité croissante de l'électrification rurale, il est probable que les données présentes seront plus complètes que celles présentées antérieurement. Les usagers agricoles ont augmenté de 26,785 en 1954 pour se chiffrer en tout à 411,134, augmentation de 7 p.100. Afin de faciliter la comparaison, les services agricoles et résidentiels sont réunis sous le titre de service ménager aux tableaux 2, 4 et 5 tout comme pour les années passées. D'après le recensement de 1951, il y a 630,000 maisons de ferme habitées au Canada; du total, 411,134 ou 65 p.100 jouissaient du service d'électricité à la fin de 1954 contre environ 94 p.100 des fermes des États-Unis. Plus de la moitié de l'augmentation des usagers déclarés en 1954 est attribuable aux provinces des Prairies.

Farm Service, 1954
Service agricole, 1954

Province	Customers — Usagers	Kilowatt Hours Consumed — Kwh consommés	Revenue — Recettes	Kw. Hrs. per Customer — Kwh par usager	Average ¹ Annual Bill — Compte annuel moyen ¹	Revenue ¹ per Kw. Hr. — Recettes par kwh ¹	P.C. of Total Farm Service Consumption Proportion de la consommation totale
		(000)	\$		\$	¢	%
Prince Edward Island	4,654	3,912	324,549	841	69.74	8.3	0.36
Nova Scotia.....	22,180	17,139	769,276	773	34.68	4.5	1.56
New Brunswick.....	38,415	37,112	2,097,947	966	54.61	5.7	3.38
Québec.....	101,271	150,520	4,351,489	1,486	42.97	2.9	13.70
Ontario.....	141,647	581,175	12,658,976	4,103	89.37	2.2	52.90
Manitoba	37,422	132,528	3,344,872	3,541	89.38	2.5	12.06
Saskatchewan	21,287	43,693	2,037,643	2,053	95.72	4.7	3.98
Alberta.....	24,688	73,016	1,763,112	2,958	71.42	2.4	6.65
British Columbia	19,570	59,479	1,289,826	3,039	65.91	2.2	5.41
Canada.....	411,134	1,098,574	28,637,690	2,672	69.66	2.6	100.00

1. Federal, Provincial and Municipal taxes on the electricity purchased are not included. — Sans les taxes fédérales, provinciales et municipales sur l'électricité achetée.

Note: No farm service reported separately in Yukon and Northwest Territories or Newfoundland. Some central electric stations do not keep separate records for farm service and estimated figures vary considerably from year to year. In New Brunswick the number of farm customers is higher than the number of occupied farms shown in 1951 census reports. This discrepancy is probably due to counting as farm customers those whose homes are on farms but who are not farmers. — Nota: Pas de rapport séparé pour le service agricole au Yukon, dans les Territoires du Nord-Ouest et à Terre-Neuve. Certaines centrales ne tiennent pas un compte séparé du service agricole, d'où la forte variation annuelle des chiffres estimatifs. Au Nouveau-Brunswick le nombre d'usagers agricoles est plus élevé que celui des fermes occupées selon les rapports du recensement de 1951. Cet écart est probablement attribuable au fait qu'on ait compté comme usagers agricoles les personnes dont les habitations sont sur des fermes mais qui ne sont pas des cultivateurs.

TABLE 5—(pages 22-23). Domestic Service, 1939-1954

The number of domestic customers, including rural, registered encouraging gains with percentage increases ranging from 85.5 per cent in Ontario to 179.3 per cent in Alberta. The growing use of electricity is illustrated by the considerable advance in the average kilowatt hours purchased per customer with the Canada total at 3,271 kw. hrs. for 1954 compared with 1,423 in 1939, a rise of nearly 130 per cent. Revenues from domestic sales totalled \$190,692,703 in 1954, 335.4 per cent above the \$43,793,482 reported for 1939 and \$22,421,534 more than in 1953. The average annual consumption per domestic customer varied widely between provinces. Manitoba led with a 1954 average of 5,229 kw. hrs. while New Brunswick and Prince Edward Island had the lowest averages.

Compared with the spectacular growth in consumption, the annual average bills registered moderate year to year increases over the past thirteen years. The 1954 average bill stood at \$55.29 against \$26.97 for 1939, an increase of 105 p.c., whereas consumption per customer rose 130 p.c. Provincial bills ranged from \$71.07 for British Columbia to \$42.31 for Quebec while average domestic service revenue per kilowatt hour in Canada was 1.7 cents in 1954, 10 p.c. under the 1.9 cents per kilowatt hour received in 1939. Prince Edward Island, New Brunswick, Saskatchewan and Alberta average revenues are affected by the higher costs of thermal generation from coal, etc., while the Manitoba revenue is lowest due to the widespread use of flat rate water heaters.

A comparison with other countries shows that Canadians enjoy one of the lowest rates per kilowatt hour in the world. In the United States the average revenue per kilowatt hour sold to residential or domestic customers averaged 2.7 cents in 1954 against 1.7 cents per kilowatt hour in Canada. Commercial and industrial sales in the United States averaged 1.4 cents per kilowatt hour compared with 0.7 cents for Canada.

TABLEAU 5—(pages 22-23). Service ménager, 1939-1954

Le nombre d'usagers domestiques, y compris ceux des régions rurales, a accusé des gains encourageants; la proportion d'augmentation a varié de 85.5 p.100 en Ontario à 179.3 p.100 en Alberta. L'utilisation croissante de l'électricité est démontrée par la forte avance de la consommation moyenne de kwh par usager. Cette consommation pour le pays en 1954 a été de 3,271 kwh contre 1,423 en 1939, augmentation de près de 130 p.100. Les recettes provenant des ventes du service ménager se sont chiffrées par \$190,692,703 en 1954, augmentation de 335.4 p.100 par rapport à 1939 (\$43,793,482) et \$22,421,534 de plus qu'en 1953. La consommation annuelle moyenne par usager ménager varie grandement d'une province à l'autre. Le Manitoba venait en tête en 1954 avec une moyenne de 5,229 kwh, tandis que le Nouveau-Brunswick et l'Île-du-Prince-Édouard accusaient les moyennes les plus faibles.

Comparé à l'accroissement spectaculaire de la consommation, le compte annuel moyen a enregistré des gains annuels modérés ces treize dernières années. Le compte moyen s'établissait à \$55.29 en 1953, contre \$26.97 en 1939, augmentation de 105 p.100, tandis que la consommation par usager s'est accrue de 130 p.100. Le compte moyen, par province, variait de \$76.07 en Colombie-Britannique à \$42.31 au Québec, tandis que le revenu moyen du service ménager par kwh s'établissait, pour l'ensemble du pays, à 1.7 cent en 1954, diminution de 10 p.100 sur celui de 1939 (1.9 cent). Le coût élevé de la production thermique à partir de charbon, etc., influe sur le revenu moyen de l'Île-du-Prince-Édouard, du Nouveau-Brunswick, de la Saskatchewan et de l'Alberta, tandis qu'au Manitoba, le revenu est bas à cause de l'usage répandu de chauffe-eau à taux fixe.

Comparés aux habitants des autres pays, les Canadiens jouissent d'un des plus bas taux au monde par kwh. Aux États-Unis, le revenu moyen par kwh vendu aux usagers ménagers ou résidentiels s'est établi à 2.7 cents en 1954, contre 1.7 cent au Canada. Les ventes commerciales et industrielles aux États-Unis s'établissent en moyenne à 1.4 cent par kwh, contre 0.7 cent au Canada.

TABLES 7 and 8—(pages 26-29). Equipment

Power Station equipment is shown in tables 7 and 8. In table 8 the total equipment of generating stations is shown combined with that of non-generating stations. Historic data are to be found in the Summary table (1). Thermal plants operated by hydraulic systems are, in some instances, large plants used to supplement hydraulic production on a regular operating basis, and should not be confused with stand-by equipment. However, table 7 shows thermal equipment of the above type combined with smaller stand-by plants operated by hydraulic and by non-generating stations. The amount generated by thermal equipment operated by hydraulic systems was 1,359,643,000 kw. hrs., 71.5 per cent of which was produced in Ontario.

TABLE 9—(pages 30-31). Electric Energy Generated

The electric energy generated is the output at the power plants less power used for the operation of the plants and, consequently, includes all transformer and line losses entailed in delivering power to the ultimate consumers. The kva. capacities shown were the rated generator capacities at the close of the year of all plants of generating stations. A market for secondary power makes possible a greater production of kilowatt hours per unit of capacity than a market of firm power only for the same installation. Subsequent to August 1946, declining amounts of secondary power were available and production, as reported monthly, dropped from 9,141,804,000 in 1946 to a low of 2,610,308,000 in 1948, but recovered to 4,597,636,000 in 1952, as supply conditions improved with the addition of new plants and heavier snow and rainfall. It rose slightly in 1954 to 4,904,296,000 kilowatt hours.

TABLE 10—(pages 32-33). Fuel

The cost of Canadian bituminous and sub-bituminous coal was 38.9 per cent of the total fuel bill; fuel oil and diesel oil accounted for 26.9 per cent; and lignite coal, gasoline, gas, etc., the remainder. The cost of fuel consumed was \$16,969,850 compared with \$19,726,599 in 1953. All coal consumed cost an average of \$7.03 per ton as against \$7.25 one year earlier. Coal costs per ton increased 136 per cent since 1939 and oil costs per gallon, 45 per cent. The use of manufactured gas in Nova Scotia dropped from 8,013,988,000 cu. ft. in 1953 to 6,538,286,000 in 1954. Natural gas used in Alberta increased 2,706,770,000 cu. ft. or by 44 per cent in 1954.

In the following table, data on domestic customers are brought together and analysed. During 1954, domestic customers in Ontario consumed over half of the total power used by all domestic customers in Canada, whereas the population of this province was less than a third of the total for the nation. The average bills do not include federal, provincial and municipal sales taxes paid by the consumers.

TABLEAUX 7 et 8—(pages 26-29). Outillage

L'outillage des centrales électriques paraît aux tableaux 4 et 8. Au tableau 8, l'outillage des centrales génératrices est réuni à celui des centrales non génératrices. Les données chronologiques paraissent au tableau sommaire (1). Les centrales thermiques exploitées par les centrales hydrauliques sont dans certains cas de grosses usines qui suppléent à la production ordinaire comme partie de l'exploitation régulière et ne doivent pas être confondues avec l'équipement de réserve. Cependant, le tableau 7 réunit l'outillage thermique ci-haut mentionné aux petites centrales de réserve des centrales hydrauliques et non génératrices. L'énergie produite par l'outillage thermique des centrales hydrauliques a été de 1,359,643,000 kwh, dont 71.5 p.100 ont été produits en Ontario.

TABLEAU 9—(pages 30-31). Énergie électrique produite

L'énergie électrique produite est la production totale moins l'énergie utilisée pour le fonctionnement de la centrale; elle comprend donc toutes les pertes de transmission (transformateurs et lignes) dans la livraison de l'énergie au consommateur définitif. La capacité en kva indiquée ici est la capacité établie des générateurs à la fin de l'année dans toutes les centrales génératrices. Tout débouché d'énergie secondaire rend possible une plus grande production de kwh par unité de capacité qu'un marché d'énergie ferme seulement dans une même centrale. De 1946 à 1948 des quantités moindres d'énergie secondaire étaient disponibles, et la production, comme l'indiquaient les rapports mensuels, est tombée de 9,141,804,000 à un minimum de 2,610,308,000 en 1948. Elle a augmenté, cependant, ensuite pour atteindre 4,597,636,000 kwh en 1952, lorsque la situation des approvisionnements s'est améliorée grâce à l'aménagement de nouvelles centrales et aux chutes accrues de neige et de pluie. En 1954, elle s'est légèrement accrue à 4,904,296,000 kwh.

TABLEAU 10—(pages 32-33). Combustible

Le coût du charbon bitumineux et de la houille maigre du Canada utilisés par les centrales représentait 38.9 p.100 de la dépense totale pour le combustible; l'huile de chauffage et l'huile à moteurs diesels représentaient 26.9 p.100 et le charbon lignite, l'essence et le gaz, etc., le reste. Le combustible utilisé a atteint un valeur de \$19,969,850 contre \$19,726,599 en 1953. Le coût moyen de tout le charbon utilisé a été de \$7.03 la tonne contre \$7.25 un an plus tôt. Le coût du charbon à la tonne a augmenté de 136 p.100 depuis 1939 et celui de l'huile au gallon, de 45 p. 100. L'utilisation de gaz manufacturé en Nouvelle-Écosse est tombée de 8,013,988,000 pieds cubes en 1953 à 6,538,286,000 pieds cubes en 1954. Le gaz naturel utilisé en Alberta a augmenté de 2,706,770,000 pieds cubes, ou de 44 p.100 en 1954.

Le tableau suivant présente la réunion et l'analyse des données sur les usagers ménagers. En 1954, les usagers ménagers de l'Ontario ont consommé plus de la moitié de l'énergie totale utilisée par tous les usagers ménagers du Canada, alors même que la population de cette province était moins du tiers de celle du pays. Le compte moyen ne comprend pas les taxes de ventes fédérales, provinciales et municipales payées par les consommateurs.

Domestic Service¹, 1954Service ménager¹, 1954

Province	Customers — Usagers		Average Bill for Year — Compte moyen pour l'année	Average per Kilowatt Hour — Moyenne par kwh	Average Annual Consumption — Consommation annuelle moyenne		Consumption by Domestic Service — Consommation par le service ménager	
	Total	Per 100 Population — Par 100 habitants			Per Customer — Par usager	Per Capita — Par habitant	P.C. of Total Power Used in Province ² — Proportion du total par province ²	P.C. of Total Domestic Power Used in Canada — Proportion du total de l'utili- sation domesti- que de l'énergie au pays
			\$	¢	Kw. Hrs.	Kw. Hrs.		
Newfoundland	44,199	11.11	45.18	2.29	1,970	219	31.13	0.77
Prince Edward Island.....	12,252	11.67	66.39	5.79	1,147	134	33.05	0.12
Nova Scotia	146,651	21.79	47.90	2.83	1,693	369	22.31	2.20
New Brunswick	113,483	20.75	53.18	3.94	1,350	280	17.94	1.36
Québec	945,172	21.54	42.31	1.71	2,479	534	8.09	20.77
Ontario	1,335,534	26.47	59.22	1.38	4,285	1,134	25.01	50.73
Manitoba	191,834	23.17	65.38	1.25	5,229	1,211	28.44	8.89
Saskatchewan	136,386	15.53	70.17	3.39	2,072	322	36.32	2.51
Alberta	190,678	18.35	51.21	2.75	1,865	342	23.48	3.15
British Columbia.....	330,461	26.10	71.07	2.21	3,219	840	32.00	9.43
Yukon and Northwest Territories	2,330	8.63	165.96	5.03	3,303	285	11.78	0.07
Canada	3,448,980	22.70	53.29	1.69	3,271	742	17.81	100.00

1. Includes Farm Customers. — Y compris les usagers agricoles.

2. Including line and transformer losses. — Y compris les pertes de transmission.

TABLES

TABLEAUX

TABLE 1. Comparative Summary, 1939-1954

No.		1954	1953	1952	1951	1950
Electric Energy Generated:						
1	Total kilowatt hours ('000)	65,936,440	62,860,927	59,409,198	54,851,844	48,493,718
2	Private	33,383,202	34,413,349	32,883,227	30,471,042	28,432,404
3	Public	32,553,238	28,447,578	26,525,971	24,380,802	20,061,314
4	Generated by water	62,572,316	58,926,462	57,023,530	52,955,002	46,624,218
5	Generated by fuel	3,364,124	3,934,465	2,385,668	1,896,842	1,869,500
6	Exports to the United States ('000)	2,718,308	2,424,030	2,493,210	2,375,522	1,925,867
7	Imports from the United States ('000)	119,024	180,637	19,985	8,956	2,591
Pole Line Mileage:						
8	Total	228,158	213,176	190,316	170,582	151,726
9	Private	79,671	75,021	66,774	59,885	54,745
10	Public	148,487	138,155	123,542	110,697	96,981
11	Generating	177,231	164,108	146,115	131,375	117,299
12	Non-generating	50,927	49,068	44,201	39,207	34,427
Revenue¹:						
13	Total	\$ 505,526,254	469,047,351	415,494,074	374,643,376	323,833,465
14	Private	\$ 194,343,760	191,516,597	177,615,066	160,149,599	141,771,226
15	Public	\$ 311,182,494	277,530,754	237,879,008	214,493,777	182,062,239
16	Generating	\$ 441,256,582	410,851,628	365,216,300	328,844,448	283,445,853
17	Non-generating	\$ 64,269,672	58,195,723	50,277,774	45,798,928	40,387,612
Expenses²:						
18	Total	\$ 322,439,240	317,669,816	278,036,006	251,280,097	216,259,954
19	Private	\$ 111,893,177	108,048,193	103,167,296	94,313,890	80,302,855
20	Public	\$ 210,546,063	209,621,623	174,868,710	156,966,207	135,957,099
21	Generating	\$ 202,816,500	207,705,639	185,626,680	168,433,550	140,268,550
22	Non-generating	\$ 119,622,740	109,964,177	92,409,326	82,846,547	75,991,404
Customers:						
23	Total	4,001,626	3,817,455⁴	3,620,595	3,439,750	3,269,824
24	Domestic service ³	3,448,980	3,283,486	3,112,306	2,951,988	2,797,378
25	Commercial light	459,561	443,993	422,428	405,332	392,530
26	Power (small)	68,170	65,882	62,660	61,322	60,700
27	Power (large)	19,461	18,787	18,194	16,360	14,708
28	Power (municipal)	1,223	1,222	1,147	1,091	1,013
29	Street lighting	4,231	4,085	3,860	3,657	3,495
30	Private stations	1,252,145	1,233,847	1,175,923	1,124,441	1,068,867
31	Public stations	2,749,481	2,583,608	2,444,672	2,315,309	2,200,957
32	Generating stations	2,597,415	2,465,869	2,339,291	2,216,173	2,089,726
33	Non-generating stations	1,404,211	1,351,586	1,281,304	1,223,577	1,180,098
Equipment in all Central Electric Stations:						
34	Total Primary Power	h.p. 16,721,816	15,661,037	14,221,806	13,030,592	11,976,241
35	Private stations	h.p. 8,011,498	8,278,142	7,679,536	7,225,902	6,804,494
36	Public stations	h.p. 8,710,318	7,382,895	6,542,270	5,804,690	5,171,747
37	Total Secondary Power	kva. 13,916,763	13,083,874	11,854,255	10,780,081	9,960,217
38	Private stations	kva. 6,759,428	6,946,737	6,434,273	6,001,503	5,674,199
39	Public stations	kva. 7,157,335	6,137,137	5,419,982	4,778,578	4,286,018
Thermal Equipment Operated by Hydraulic Stations and by Non-Generating Stations:						
40	Primary power	h.p. 1,261,548	1,287,824	880,608	248,982	273,080
41	Secondary power	kva. 998,871	1,022,642	705,207	215,920	234,824

Note. Data on Capital not collected after 1943, when the total was \$1,778,224,640.

1. Cost of power interchanged between stations excluded from revenue of purchasing stations (see page 8).

2. Includes wages, cost of power, fuel and taxes, but not other expenses.

3. Farm service is included with domestic service.

4. Revised.

TABLEAU 1. Résumé comparatif, 1939-1954

1949	1948	1947	1946	1939		N°
					Énergie électrique produite:	
44,418,573	42,389,681	43,424,799	41,736,987	28,338,030	Total kwh produits (milliers)	1
26,731,889	25,697,293	27,665,524	26,997,716	21,290,930	Par les centrales privées	2
17,686,684	16,692,388	15,759,275	14,739,271	7,047,100	Par les centrales publiques	3
42,779,199	41,070,095	42,273,167	40,692,395	27,829,017	Par l'eau	4
1,639,374	1,319,586	1,151,632	1,044,592	509,013	Par le combustible	5
1,756,752	1,743,108	2,066,487	2,481,631	1,908,756	Exportations d'électricité aux États-Unis (milliers kwh)	6
31,205	86,391	53,037	9,527	666	Importations d'électricité des États-Unis (milliers kwh)	7
					Lignes sur poteaux:	
135,329	113,411	98,530	89,231	72,132	Longueur totale	8
49,086	41,251	35,891	33,184	30,288	Centrales privées	9
86,243	72,160	62,639	56,047	41,844	Centrales publiques	10
106,396	90,810	79,761	71,936	57,084	Centrales génératrices	11
28,933	22,601	18,769	17,295	15,048	Centrales non génératrices	12
					Recettes¹:	
280,311,624	257,377,490	243,705,976	226,096,273	151,880,969	Total	13
129,481,120	119,032,951	114,639,557	108,668,772	92,535,049	Centrales privées	14
150,830,504	138,344,539	129,066,419	117,427,501	59,345,920	Centrales publiques	15
246,086,487	224,983,155	213,904,209	192,214,412	127,483,222	Centrales génératrices	16
34,225,137	32,394,335	29,801,767	33,881,861	24,397,747	Centrales non génératrices	17
					Dépenses²:	
197,409,382	173,420,667	164,063,096	150,750,488	91,982,372	Total	18
76,055,742	66,243,323	65,553,976	66,789,794	42,471,534	Centrales privées	19
121,353,640	107,177,344	98,509,120	83,960,694	49,510,838	Centrales publiques	20
131,371,015	115,545,404	110,503,493	95,125,303	51,570,137	Centrales génératrices	21
66,038,367	57,875,263	53,559,603	55,625,185	40,412,235	Centrales non génératrices	22
					Abonnés:	
3,076,369	2,822,027	2,643,327	2,476,830	1,941,663	Total	23
2,619,831	2,398,847	2,246,253	2,104,549	1,623,672	Service ménager ³	24
379,526	349,673	326,988	306,592	262,590	Eclairage commercial	25
58,600	56,210	53,604	50,254	43,896	Petite énergie	26
14,208	13,305	12,825	11,846	9,267	Grosse énergie	27
964	890	838	887	—	Énergie (municipale)	28
3,240	3,102	2,819	2,702	2,238	Eclairage des rues	29
1,042,951	937,385	870,408	826,091	889,418	Centrales privées	30
2,033,418	1,884,642	1,772,919	1,650,739	1,052,245	Centrales publiques	31
1,934,639	1,741,055	1,616,520	1,354,763	998,067	Centrales génératrices	32
1,141,730	1,080,972	1,026,807	1,122,067	943,596	Centrales non génératrices	33
					Outillage de toutes les centrales électriques:	
10,883,276	10,219,596	9,786,087	10,001,712	7,801,261	Total, énergie primaire, h.p.	34
6,524,228	6,134,455	6,025,254	6,389,173	5,516,007	Dans les centrales privées, h.p.	35
4,359,048	4,085,141	3,760,833	3,612,539	2,285,254	Dans les centrales publiques, h.p.	36
9,103,702	8,514,509	8,138,687	8,312,358	6,601,201	Total, énergie secondaire, kva	37
5,481,967	5,119,048	5,023,723	5,304,225	4,764,528	Dans les centrales privées, h.p.	38
3,621,735	3,395,461	3,114,964	3,008,133	1,836,673	Dans les centrales publiques, h.p.	39
					Outillage thermique des centrales hydrauliques et des centrales non génératrices:	
245,478	181,055	184,930	176,253	194,139	Énergie primaire, h.p.	40
213,410	135,470	154,199	149,462	165,785	Énergie secondaire, kva	41

Nota. Les données sur le capital n'ont pas été recueillies depuis 1943, alors que le total était de \$1,778,224,640.

1. Le coût de l'énergie échangée entre stations est exclu du revenu des stations qui en achètent (voir p. 8).

2. Incluent gages, coût de l'énergie, combustible et taxes, mais non les autres dépenses.

3. Le service agricole est inclus dans le service ménager.

4. Rectifié.

TABLE 2. Revenue, 1954¹

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
		\$	\$	\$	\$	\$	\$
	Revenue:						
1	From Sale of Electric Energy	505,526,254	4,653,819	1,666,969	18,884,547	13,431,172²	158,801,421²
2	For domestic service	190,692,703	1,997,078	813,398	7,024,772	6,034,896	39,989,026
3	For commercial light	88,910,945	760,348	561,617	3,589,089	2,275,868	21,089,874
4	For power (small)	20,611,499	396,021	21,640	1,198,942	1,156,903	3,760,680
5	For power (large)	189,066,685	1,396,390	207,178	6,649,985	3,583,990	90,666,869
6	For power (municipal)	6,592,935	4,129	28,216	75,219	65,946	1,314,530
7	For street lighting	9,651,487	99,853	34,920	346,540	313,569	1,980,442
8	Private Stations	194,343,760	4,497,714	1,323,743	13,333,509	3,572,535	102,233,988
9	Non-generating	5,978,931	49,993	—	1,452,138	1,064,625	1,288,947
10	Generating	188,364,829	4,447,721	1,323,743	11,881,371	2,507,910	100,945,041
11	Hydraulic	175,353,456	4,446,481	38,645	7,640,786	2,354,794	100,399,929
12	Thermal	13,011,373	1,240	1,285,098	4,240,585	153,116	545,112
13	Public Stations	311,182,494	156,105	343,226	5,551,038	9,858,637	56,567,433
14	Non-generating	58,290,741	—	—	1,232,743	1,394,158	1,583,521
15	Generating	252,891,753	156,105	343,226	4,318,295	8,464,479	54,983,912
16	Hydraulic	223,387,806	—	—	4,318,295	2,803,280	54,968,939
17	Thermal	29,503,947	156,105	343,226	—	5,661,199	14,973
18	Revenue of non-generating stations	64,269,672	49,993	—	2,684,881	2,458,783	2,872,468
19	Revenue of generating stations	441,256,582	4,603,826	1,666,969	16,199,666	10,972,389	155,928,953
20	Hydraulic	398,741,262	4,446,481	38,645	11,959,081	5,158,074	155,368,868
21	Thermal	42,515,320	157,345	1,628,324	4,240,585	5,814,315	560,085
	Average Revenue:						
22	per h.p. of capacity	30.23	40.86	77.39	47.23	50.61	21.31
23	per kva. of capacity	36.32	47.59	96.66	55.50	57.81	24.85
24	per domestic service customer	55.29	45.18	66.39	47.90	53.18	42.31
25	per commercial light customer	193.47	168.00	216.51	187.92	176.90	179.83
26	per small power customer	302.35	757.21	424.31	268.52	689.04	265.55
27	per large power customer	9,715.16	23,667.63	9,417.18	19,444.40	19,165.72	32,060.42
28	In cents per kilowatt hour consumed	0.77	1.66	3.92	1.69	1.46	0.47
29	In cents per kilowatt hour—domestic and farm service	1.69	2.29	5.79	2.83	3.94	1.71
30	In cents per kilowatt hour—commercial light	2.11	3.01	4.82	3.72	3.17	1.99

1. Gross revenue less cost of power interchanged between stations.

2. Adjusted for power purchased from another province.

3. Adjusted for power purchased from Quebec plants.

TABLEAU 2. Recettes, 1954¹

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.		No
\$	\$	\$	\$	\$	\$		
						Recettes :	
198,010,124 ²	25,849,344 ²	20,587,316 ²	27,051,792	50,730,219 ²	1,405,759	Provenant de la vente d'électricité	1
79,086,599	12,541,557	9,570,177	9,764,010	23,484,497	386,693	Pour l'éclairage ménager.....	2
31,145,205	4,784,552	4,956,894	6,937,611	12,665,291	144,596	Pour l'éclairage commercial.....	3
5,678,183	941,551	1,665,977	3,286,828	2,458,307	46,467	Pour la petite énergie	4
73,328,020	6,895,965	3,737,761	6,123,521	11,209,052	814,182	Pour la grosse énergie.....	5
4,390,778	195,125	142,582	296,367	76,690	3,353	Pour l'énergie (municipale).....	6
4,381,339	490,594	513,925	643,455	836,382	10,468	Pour l'éclairage des rues	7
11,212,433	1,924,844	3,218,511	16,373,831	39,694,483	482,086	Centrales privées	8
3,292,838	1,897,690	39,204	65,397	147,102	126,226	Non génératrices	9
7,919,595	22,154	3,179,307	16,308,434	39,547,381	355,860	Génératrices	10
7,881,474	27,154	1,275,259	11,887,873	39,255,724	224,025	Hydrauliques	11
38,121	—	1,904,048	4,420,561	291,657	131,835	Thermiques	12
186,797,691	23,924,500	17,368,805	10,677,961	11,035,736	923,673	Centrales publiques	13
39,340,999	7,537,719	1,947,059	3,566,856	1,781,645	—	Non génératrices.....	14
147,456,692	16,386,781	15,421,746	7,111,105	9,254,091	923,673	Génératrices	15
147,341,406	16,248,842	—	—	8,711,723	923,673	Hydrauliques	16
115,286	137,939	15,421,746	7,111,105	542,368	—	Thermiques	17
42,633,837	9,435,409	1,986,263	3,632,253	1,928,747	126,226	Recettes des centrales non génératrices	18
155,376,287	16,413,935	18,601,053	23,419,539	48,801,472	1,279,533	Recettes des centrales génératrices	19
155,222,880	16,275,996	1,275,259	11,887,873	47,967,447	1,147,698	Hydrauliques	20
153,407	137,939	17,325,794	11,531,666	834,025	131,835	Thermiques	21
						Recettes moyennes :	
29.58 ³	34.36	43.19	49.89	45.87	83.92	par h.p. de puissance.....	22
37.64 ³	44.75	50.40	59.99	52.83	98.12	par kva de puissance	23
59.22	65.38	70.17	51.21	71.07	165.96	par abonné d'éclairage ménager	24
194.95	167.87	179.03	204.37	239.27	383.54	par abonné d'éclairage commercial	25
304.07	133.06	393.29	304.45	380.78	893.60	par abonné, petite énergie.....	26
14,636.33	1,165.25	7,039.10	2,009.69	7,871.53	8,754.65	par abonné, grosse énergie	27
0.78	0.73	1.59	1.79	1.45	2.15	Cents par kwh consommé	28
1.38	1.25	3.39	2.75	2.21	5.03	Cents par kwh —service ménager et agricole....	29
1.61	1.91	3.90	3.67	2.85	7.46	Cents par kwh —service commercial.....	30

1. Revenu brut moins le coût de l'énergie échangée entre les centrales.

2. Ajusté pour tenir compte de l'énergie achetée d'une autre province.

3. Ajusté pour tenir compte de l'énergie achetée des centrales du Québec.

TABLE 3. Expenses, 1954¹

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
		\$	\$	\$	\$	\$	\$
	Expenses:						
1	Total	322,439,240	1,990,175	965,830	14,875,844	8,714,667	71,984,704
2	Per cent of total for Canada.....	100.00	0.62	0.30	4.61	2.70	22.32
3	Salaries and wages	120,322,349	993,622	345,255	4,076,066	3,044,722	27,860,737
4	Fuel	16,969,850	36,139	383,527	3,902,327	1,593,245	279,014
5	Taxes ²	50,682,865	634,924	194,453	2,377,362	417,014	26,472,058
6	Cost of power.....	134,464,176	325,490	42,595	4,520,089	3,659,686	17,372,895
	Private Stations:						
7	Total	111,893,177	1,916,855	788,737	10,101,599	2,693,190	54,412,799
8	Salaries and wages	36,785,340	934,884	286,484	2,566,245	454,793	18,768,669
9	Fuel	5,265,740	21,557	270,100	3,217,892	47,377	258,379
10	Taxes ²	40,898,045	634,924	189,558	2,271,257	409,036	21,731,342
11	Cost of power.....	28,944,052	325,490	42,595	2,046,205	1,781,954	13,654,409
12	Non-generating stations	11,438,980	55,164	2,838	2,151,533	2,204,899	953,043
13	Generating stations	100,454,197	1,861,691	785,899	7,950,066	488,261	53,459,756
14	Hydraulic stations	92,365,375	1,860,911	27,417	4,821,113	422,308	53,138,920
15	Thermal stations	8,088,822	780	758,482	3,128,953	65,953	320,836
	Public Stations:						
16	Total	210,545,063	73,320	177,093	4,774,245	6,021,507	17,571,905
17	Salaries and wages	83,537,009	58,738	58,771	1,509,821	2,589,929	9,092,068
18	Fuel	11,704,110	14,582	113,427	684,435	1,545,868	20,635
19	Taxes ²	9,784,820	—	4,895	106,105	7,978	4,740,716
20	Cost of power.....	105,520,124	—	—	2,473,884	1,877,732	3,718,486
21	Non-generating stations	108,183,760	—	—	2,710,767	2,010,564	1,679,566
22	Generating stations	102,362,303	73,320	177,093	2,063,478	4,010,943	15,892,339
23	Hydraulic stations	88,293,193	—	—	2,063,478	591,519	15,892,339
24	Thermal stations	14,069,110	73,320	177,093	—	3,419,424	—
	Non-generating Stations:						
25	Total	119,622,740	55,164	2,838	4,852,300	4,215,463	2,632,609
26	Salaries and wages	23,502,995	7,063	500	853,607	581,838	721,852
27	Fuel	16,917	—	—	—	15,985	—
28	Taxes ²	2,338,267	6,677	—	364,424	198,834	4,220
29	Cost of power.....	93,764,561	41,424	2,338	3,644,269	3,418,806	1,906,537
	Generating Stations:						
30	Total	202,815,500	1,935,011	962,992	10,013,544	4,499,204	69,352,095
31	Salaries and wages	96,819,354	986,559	344,755	3,222,459	2,462,884	27,138,885
32	Fuel	16,952,933	36,139	383,527	3,902,327	1,577,260	279,014
33	Taxes ²	48,344,598	628,247	194,453	2,012,938	218,180	26,467,838
34	Cost of power.....	40,699,615	284,066	40,257	875,820	240,880	15,466,358
35	Hydraulic stations	180,658,568	1,860,911	27,417	6,884,591	1,013,827	69,031,259
36	Thermal stations	22,157,932	74,100	935,575	3,128,953	3,485,377	320,836

1. Includes only the four items listed.

2. Sales tax not included (see page 8).

TABLEAU 3. Dépenses, 1954¹

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.		No
\$	\$	\$	\$	\$	\$		
163, 100, 909	12, 437, 855	10, 986, 178	12, 563, 047	24, 218, 912	601, 119	Dépenses:	
50, 58	3, 86	3, 41	3, 90	7, 51	0, 19	Total	1
57, 600, 766	6, 602, 802	4, 697, 816	4, 971, 498	9, 907, 146	221, 919	Pourcentage du total pour le Canada.....	2
4, 153, 936	313, 581	3, 610, 437	1, 392, 486	1, 263, 630	41, 528	Salaires et gages.....	3
5, 383, 647	554, 168	591, 395	3, 263, 576	10, 730, 768	63, 500	Combustible	4
95, 962, 560	4, 967, 304	2, 086, 530	2, 935, 487	2, 317, 368	274, 172	Taxes ²	5
						Achat d'énergie électrique.....	6
						Centrales privées:	
10, 882, 817	2, 698, 300	1, 676, 033	6, 487, 535	19, 767, 501	467, 841	Total	7
1, 734, 639	246, 594	594, 250	3, 144, 242	7, 947, 695	106, 845	Salaires et gages.....	8
46, 820	—	686, 530	461, 924	231, 210	23, 951	Combustible	9
2, 138, 619	30, 850	367, 215	2, 481, 332	10, 580, 985	62, 927	Taxes ²	10
6, 962, 739	2, 420, 856	28, 038	400, 037	1, 007, 611	274, 118	Achat d'énergie électrique.....	11
2, 916, 373	2, 695, 949	31, 643	63, 838	208, 859	154, 841	Centrales non génératrices	12
7, 966, 444	2, 351	1, 644, 390	6, 423, 697	19, 558, 642	313, 000	Centrales génératrices	13
7, 952, 229	2, 351	562, 811	4, 095, 705	19, 402, 513	79, 097	Centrales hydrauliques.....	14
14, 215	—	1, 081, 579	2, 327, 992	156, 129	233, 903	Centrales thermiques	15
						Centrales publiques:	
152, 218, 092	9, 739, 555	9, 310, 145	6, 075, 512	4, 451, 411	133, 278	Total	16
55, 866, 127	6, 356, 208	4, 103, 566	1, 827, 256	1, 959, 451	115, 074	Salaires et gages.....	17
4, 107, 116	313, 581	2, 923, 907	930, 562	1, 032, 420	17, 577	Combustible	18
3, 245, 028	523, 318	224, 180	782, 244	149, 783	573	Taxes ²	19
88, 999, 821	2, 546, 448	2, 058, 492	2, 535, 450	1, 309, 751	54	Achat d'énergie électrique.....	20
90, 295, 197	4, 589, 474	1, 863, 050	3, 487, 754	1, 547, 388	—	Centrales non génératrices	21
61, 922, 895	4, 589, 474	7, 447, 095	2, 587, 758	2, 904, 023	133, 278	Centrales génératrices	22
61, 868, 164	5, 086, 157	—	—	2, 658, 258	133, 278	Centrales hydrauliques.....	23
54, 731	63, 924	7, 447, 095	2, 587, 758	245, 765	—	Centrales thermiques	24
						Centrales non génératrices:	
93, 211, 570	7, 285, 423	1, 894, 693	3, 551, 592	1, 756, 247	154, 841	Total	25
17, 700, 410	2, 268, 669	205, 178	742, 758	384, 734	36, 386	Salaires et gages.....	26
113	—	—	—	—	819	Combustible	27
1, 274, 053	58, 785	144, 792	257, 858	12, 819	15, 805	Taxes ²	28
74, 236, 994	4, 957, 969	1 544, 723	2, 550, 976	1, 358, 694	101, 831	Achat d'énergie électrique.....	29
						Centrales génératrices:	
69, 889, 339	5, 152, 432	9, 091, 485	9, 011, 455	22, 462, 665	446, 278	Total	30
39, 900, 356	4, 334, 133	4, 492, 638	4, 228, 740	9, 522, 412	185, 533	Salaires et gages.....	31
4, 153, 823	313, 581	3, 610, 437	1, 392, 486	1, 263, 630	40, 709	Combustible	32
4, 109, 594	495, 383	446, 603	3, 005, 718	10, 717, 949	47, 695	Taxes ²	33
21, 725, 566	9, 335	541, 807	384, 511	958, 674	172, 341	Achat d'énergie électrique.....	34
69, 820, 393	5, 088, 508	562, 811	4, 095, 705	22, 060, 771	212, 375	Centrales hydrauliques.....	35
68, 946	63, 924	8, 528, 674	4, 915, 750	401, 894	233, 903	Centrales thermiques	36

1. Ne comprend que les quatre articles énumérés.

2. Taxe de vente non comprise (Voir page 8).

TABLE 4. Number of Customers, 1954

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
	Number of Customers:						
1	Total	4, 001, 626	49, 328	14, 944	170, 688	128, 346	1, 081, 200
2	Per cent of total for Canada	100.00	1.23	0.37	4.27	3.21	27.02
3	Domestic service	3, 448, 980	44, 199	12, 252	146, 651	113, 483	945, 172
4	Commercial light	459, 561	4, 526	2, 594	19, 099	12, 865	117, 276
5	Power (small)	68, 170	523	51	4, 465	1, 679	14, 162
6	Power (large)	19, 461	59	22	342	187	2, 828
7	Power (municipal)	1, 223	2	4	19	28	267
8	Street lighting	4, 231	19	21	112	104	1, 495
	Private Stations:						
9	Total	1, 252, 145	48, 014	11, 963	105, 169	27, 390	586, 496
10	Domestic service	1, 077, 848	43, 081	9, 729	90, 480	23, 000	516, 315
11	Commercial light	143, 866	4, 377	2, 190	11, 251	3, 338	60, 184
12	Power (small)	21, 828	481	4	3, 187	372	6, 916
13	Power (large)	6, 104	56	13	187	56	1, 517
14	Power (municipal)	476	1	3	6	4	201
15	Street lighting	2, 023	18	18	58	20	1, 363
	Public Stations:						
16	Total	2, 749, 481	1, 314	2, 981	65, 519	100, 956	494, 704
17	Domestic service	2, 371, 132	1, 118	2, 523	56, 171	89, 883	428, 857
18	Commercial light	315, 695	149	398	7, 848	9, 527	57, 092
19	Power (small)	46, 342	42	47	1, 278	1, 307	7, 246
20	Power (large)	13, 357	3	9	155	131	1, 311
21	Power (municipal)	747	1	1	13	24	66
22	Street lighting	2, 208	1	3	54	84	132
	Non-generating Stations:						
23	Total	1, 404, 211	2, 264	65	68, 421	52, 557	65, 745
24	Private	125, 289	2, 264	65	34, 880	22, 028	28, 353
25	Public	1, 278, 922	—	—	33, 535	30, 529	37, 392
26	Domestic service	1, 208, 383	2, 078	62	58, 755	45, 084	57, 945
27	Commercial light	162, 588	184	3	7, 664	6, 489	6, 803
28	Power (small)	26, 541	—	—	1, 813	888	750
29	Power (large)	4, 967	1	—	131	57	91
30	Power (municipal)	637	—	—	15	10	23
31	Street lighting	1, 095	1	—	43	29	133
	Generating Stations:						
32	Total	2, 597, 415	47, 064	14, 879	102, 267	75, 789	1, 015, 455
33	Hydraulic Stations	2, 236, 829	45, 700	649	96, 317	8, 253	1, 008, 786
34	Private	1, 049, 789	45, 700	649	64, 333	5, 220	551, 648
35	Public	1, 187, 040	—	—	31, 984	3, 033	457, 138
36	Domestic service	1, 943, 503	40, 953	506	82, 732	6, 957	881, 518
37	Commercial light	244, 993	4, 193	138	10, 774	1, 147	109, 587
38	Power (small)	32, 385	481	4	2, 565	60	13, 369
39	Power (large)	13, 421	55	—	178	72	2, 723
40	Power (municipal)	337	1	—	2	9	244
41	Street lighting	2, 190	17	1	66	8	1, 345
42	Thermal Stations	360, 586	1, 364	14, 230	5, 950	67, 536	6, 669
43	Private	77, 067	50	11, 249	5, 950	142	6, 495
44	Public	283, 519	1, 314	2, 981	—	67, 394	174
45	Domestic service	297, 094	1, 168	11, 684	5, 164	61, 442	5, 709
46	Commercial light	51, 980	149	2, 453	661	5, 229	886
47	Power (small)	9, 244	42	47	87	731	43
48	Power (large)	1, 073	3	22	33	58	14
49	Power (municipal)	249	1	4	2	9	—
50	Street lighting	946	1	20	3	67	17

TABLEAU 4. Nombre d'usagers, 1954

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
Nombre d'usagers:						
1, 520, 292	233, 859	160, 506	239, 126	391, 475	2, 862	Total 1
37,99	5,84	4,24	5,98	9,78	0,07	Pourcentage du total pour le Canada 2
1, 335, 534	191, 834	136, 386	190, 678	330, 461	2, 330	Service ménager 3
159, 756	28, 501	27, 688	33, 946	52, 933	377	Éclairage commercial 4
18, 674	7, 076	4, 236	10, 796	6, 456	52	Petite énergie 5
5, 010	5, 918	531	3, 047	1, 424	93	Grosse énergie 6
586	9	20	255	29	4	Énergie (municipale) 7
732	521	645	404	172	6	Éclairage des rues 8
Centrales privées:						
37, 904	14, 433	11, 641	107, 094	299, 371	2, 670	Total 9
33, 522	12, 819	9, 921	82, 900	253, 281	2, 200	Service ménager 10
3, 944	1, 120	1, 348	15, 771	40, 008	329	Éclairage commercial 11
269	112	321	5, 284	4, 833	49	Petite énergie 12
125	370	19	2, 503	1, 173	85	Grosse énergie 13
6	2	—	245	6	2	Énergie (municipale) 14
38	10	32	391	70	5	Éclairage des rues 15
Centrales publiques:						
1, 482, 388	219, 426	157, 865	132, 032	92, 104	192	Total 16
1, 302, 012	179, 015	126, 465	107, 778	77, 180	130	Service ménager 17
155, 812	27, 381	26, 340	18, 175	12, 925	48	Éclairage commercial 18
18, 405	6, 964	3, 915	5, 512	1, 623	3	Petite énergie 19
4, 885	5, 548	512	544	251	8	Grosse énergie 20
580	7	20	10	23	2	Énergie (municipale) 21
694	511	613	13	102	1	Éclairage des rues 22
Centrales non génératrices:						
978, 854	119, 037	25, 025	60, 687	30, 307	1, 249	Total 23
16, 418	14, 165	589	1, 336	3, 936	1, 249	Privées 24
962, 436	104, 872	24, 436	59, 351	26, 371	—	Publiques 25
847, 799	99, 516	20, 962	49, 798	25, 457	927	Service ménager 26
110, 781	15, 211	2, 982	8, 051	4, 186	234	Éclairage commercial 27
15, 618	3, 258	1, 026	2, 656	485	47	Petite énergie 28
3, 775	541	35	164	136	36	Grosse énergie 29
544	4	10	6	23	2	Énergie (municipale) 30
337	507	10	12	20	3	Éclairage des rues 31
Centrales génératrices:						
541, 438	114, 822	144, 481	178, 439	361, 168	1, 613	Total 32
539, 867	113, 616	1	67, 237	356, 114	289	Centrales hydrauliques 33
20, 966	268	1	67, 237	293, 670	97	Privées 34
518, 901	113, 348	—	—	62, 444	192	Publiques 35
486, 311	91, 382	—	52, 133	300, 793	218	Service ménager 36
48, 842	13, 095	—	9, 137	48, 029	51	Éclairage commercial 37
3, 048	3, 747	—	3, 247	5, 859	5	Petite énergie 38
1, 232	5, 377	1	2, 490	1, 281	12	Grosse énergie 39
41	3	—	30	5	2	Énergie (municipale) 40
393	12	—	200	147	1	Éclairage des rues 41
1, 571	1, 206	144, 480	111, 202	5, 054	1, 324	Centrales thermiques 42
520	—	11, 051	38, 521	1, 765	1, 324	Privées 43
1, 051	1, 206	133, 429	72, 681	3, 289	—	Publiques 44
1, 424	936	115, 424	88, 747	4, 211	1, 185	Service ménager 45
133	195	24, 706	16, 758	718	92	Éclairage commercial 46
8	71	3, 210	4, 893	112	—	Petite énergie 47
3	—	495	393	7	45	Grosse énergie 48
1	2	10	219	1	—	Énergie (municipale) 49
2	2	635	192	5	2	Éclairage des rues 50

TABLE 5. Domestic Service, 1939-1954

	Number of Customers — Nombre d'usagers	Kilowatt Hours Consumed — Kilowatt- heures consommés	Revenue — Recettes	Kw. Hrs. per Customer — Kwh par usager	Average Annual Bill — Compte moyen de l'année	Revenue per Kw. Hr. — Recettes par kwh
		('000)	\$		\$	cents
CANADA:						
1939	1,623,672	2,310,891	43,793,482	1,423	26.97	1.90
1950	2,797,378	6,750,303	109,015,402	2,413	38.97	1.61
1951	2,951,088	7,726,114	127,660,008	2,617	43.25	1.65
1952	3,112,306	8,741,182	144,650,270	2,809	46.48	1.65
1953	3,283,486	9,877,727	168,271,169	3,008	51.25	1.70
1954	3,448,980	11,280,513	190,692,703	3,271	55.29	1.69
Change—Changement, 1939-1954:						
Amount—Volume	1,825,308	8,969,622	146,899,221	1,848	28.32	- 0.21
Per cent—p.c.	112.42	388.15	335.44	129.87	105.01	- 11.05
Newfoundland:						
1949	28,725	31,906	759,347	1,111	26.44	2.38
1950	30,311	40,051	835,530	1,321	27.57	2.09
1951	34,457	48,258	1,162,483	1,401	33.74	2.41
1952	38,560	61,577	1,488,195	1,597	38.59	2.42
1953	40,855	71,977	1,766,709	1,762	43.24	2.45
1954	44,199	87,089	1,997,078	1,970	45.18	2.29
Prince Edward Island:						
1939	5,067	2,908	163,226	574	32.21	5.61
1950	10,298	10,526	583,765	1,022	56.69	5.55
1951	10,624	11,479	586,456	1,080	55.20	5.11
1952	10,669	11,954	678,396	1,120	63.59	5.68
1953	11,293	13,042	744,426	1,155	65.92	5.71
1954	12,252	14,053	813,398	1,147	66.39	5.79
Change—Changement, 1939-1954:						
Amount—Volume	7,185	11,145	650,172	573	34.18	+ 0.18
Per cent—p.c.	141.80	383.25	398.33	99.83	106.12	+ 3.21
Nova Scotia:						
1939	62,034	39,084	1,709,507	630	27.56	4.37
1950	124,860	147,522	4,421,444	1,181	35.41	3.00
1951	128,322	168,349	5,258,257	1,312	40.98	3.12
1952	136,175	189,712	5,709,408	1,393	41.93	3.01
1953	141,961	222,194	6,433,199	1,565	45.32	2.90
1954	146,651	248,343	7,024,772	1,693	47.90	2.83
Change—Changement, 1939-1954:						
Amount—Volume	84,617	209,259	5,315,265	1,063	20.34	- 1.54
Per cent—p.c.	136.40	535.41	310.92	168.73	73.80	- 35.24
New Brunswick:						
1939	46,485	26,989	1,307,772	581	28.13	4.85
1950	95,540	97,752	3,746,973	1,023	39.22	3.83
1951	101,151	110,734	4,688,817	1,095	46.35	4.23
1952	105,801	122,859	5,072,097	1,161	47.94	4.13
1953	110,779	136,213	5,545,393	1,230	50.06	4.07
1954	113,493	153,212	6,034,896	1,350	53.18	3.94
Change—Changement, 1939-1954:						
Amount—Volume	66,998	126,223	4,727,124	769	25.05	- 0.91
Per cent—p.c.	144.13	467.68	361.46	132.36	89.05	- 18.76
Québec:						
1939	434,825	311,420	9,167,384	716	21.08	2.94
1950	778,878	1,199,887	23,820,883	1,541	30.58	1.99
1951	820,705	1,434,277	27,420,175	1,748	33.41	1.91
1952	860,891	1,680,591	31,020,796	1,952	36.03	1.85
1953	903,315	1,954,815	34,715,223	2,164	38.43	1.78
1954	945,172	2,342,693	39,989,026	2,479	42.31	1.71
Change—Changement, 1939-1954:						
Amount—Volume	510,347	2,031,273	30,821,642	1,763	21.23	- 1.23
Per cent—p.c.	117.37	652.26	336.21	246.23	100.71	- 41.84

Note: Analysis of Domestic Service for 1954 is on page 12.

TABLEAU 5. Service ménager, 1939-1954

	Number of Customers — Nombre d'usagers	Kilowatt Hours Consumed — Kilowatt- heures consommés	Revenue — Recettes	Kw. Hrs. per Customer — Kwh par usager	Average Annual Bill — Compte moyen de l'année	Revenue per Kw. Hr. — Recettes par kwh
		('000)	\$		\$	cents
Ontario:						
1939	719,871	1,374,325	19,657,658	1,909	27.31	1.43
1950	1,104,317	3,662,862	44,723,940	3,317	40.50	1.22
1951	1,162,711	4,148,661	51,900,489	3,568	44.64	1.25
1952	1,217,723	4,639,536	58,159,497	3,810	47.76	1.25
1953	1,281,545	5,166,056	70,792,425	4,031	55.24	1.37
1954	1,335,534	5,722,569	79,086,599	4,285	59.22	1.38
Change — Changement, 1939-1954:						
Amount — Volume	615,663	4,348,244	59,428,941	2,376	31.91	- 0.05
Per cent — p.c.	85.52	316.39	302.32	124.46	116.84	- 3.50
Manitoba:						
1939	81,091	320,827	3,311,662	3,956	40.84	1.03
1950	144,122	689,335	7,938,900	4,783	55.08	1.15
1951	157,795	759,478	8,964,554	4,813	56.81	1.18
1952	169,554	825,457	9,953,161	4,868	58.70	1.21
1953	181,243	898,876	11,089,198	4,960	61.18	1.23
1954	191,834	1,003,027	12,541,557	5,229	65.38	1.25
Change — Changement, 1939-1954:						
Amount — Volume	110,743	682,200	9,229,895	1,273	24.54	+ 0.22
Per cent — p.c.	136.57	212.64	278.71	32.18	60.09	+21.36
Saskatchewan:						
1939	49,980	41,198	2,004,433	824	40.10	4.87
1950	94,734	128,221	4,870,802	1,353	51.42	3.80
1951	99,260	152,010	5,628,742	1,531	56.71	3.70
1952	110,268	184,974	6,646,930	1,677	60.28	3.59
1953	120,640	226,507	7,968,126	1,878	66.05	3.52
1954	136,386	282,542	9,570,177	2,072	70.17	3.39
Change — Changement, 1939-1954:						
Amount — Volume	86,406	241,344	7,565,744	1,248	30.07	- 1.48
Per cent — p.c.	172.88	585.81	377.45	151.46	74.99	- 30.39
Alberta:						
1939	68,267	42,210	2,145,093	618	31.42	5.08
1950	134,132	164,205	5,384,777	1,224	40.15	3.28
1951	143,962	199,287	6,305,129	1,384	43.80	3.16
1952	158,359	233,236	7,134,034	1,473	45.05	3.06
1953	173,692	282,152	8,214,938	1,624	47.30	2.91
1954	190,678	355,643	9,764,010	1,865	51.21	2.75
Change — Changement, 1939-1954:						
Amount — Volume	122,411	313,433	7,618,917	1,247	19.79	- 2.33
Per cent — p.c.	179.31	742.56	355.18	201.78	62.99	- 45.87
British Columbia:						
1939	156,052	151,930	4,326,747	974	27.73	2.85
1950	278,417	607,427	12,525,229	2,182	44.99	2.06
1951	291,165	690,904	15,572,304	2,373	53.48	2.25
1952	302,339	788,168	18,602,342	2,607	61.53	2.36
1953	316,107	902,341	20,786,553	2,855	65.76	2.30
1954	330,461	1,063,647	23,484,497	3,219	71.07	2.21
Change — Changement, 1939-1954:						
Amount — Volume	174,409	911,717	19,157,750	2,245	43.34	- 0.64
Per cent — p.c.	111.76	600.09	442.77	230.49	156.29	- 22.46
Yukon and Northwest Territories:						
1949	1,605	2,073	124,622	1,292	77.65	6.01
1950	1,769	2,515	163,159	1,422	92.23	6.49
1951	1,836	2,677	172,602	1,458	94.01	6.45
1952	1,967	3,118	185,414	1,585	94.26	5.95
1953	2,056	3,554	214,979	1,729	104.56	6.05
1954	2,330	7,695	386,693	3,303	165.96	5.03

Nota. L'analyse du service ménager en 1954 paraît à la page 12.

THE CENTRAL ELECTRIC STATIONS INDUSTRY

TABLE 6. Employees¹, 1934

No.		Employees ¹ , 1934					
		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
	Employees:						
1	Total	33,762	458	156	1,453	1,043	8,165
2	Per cent of total for Canada	100.00	1.36	0.46	4.30	3.09	24.18
3	Salaried (officers, clerks, other)	15,775	101	71	449	374	3,393
4	Wage Earners	17,987	357	85	1,004	669	4,272
	In Private Stations:						
5	Total	10,501	444	131	842	145	5,436
6	Salaried (officers, clerks, other)	4,351	100	65	277	43	2,407
7	Wage Earners	6,150	344	66	565	102	3,029
8	Non-generating	540	3	1	151	70	134
9	Generating	9,961	441	130	691	75	5,302
10	Hydraulic	9,118	440	4	545	71	5,246
11	Thermal	843	1	126	146	4	56
	In Public Stations:						
12	Total	23,261	14	25	611	898	2,729
13	Salaried (officers, clerks, other)	11,424	1	6	172	331	1,486
14	Wage Earners	11,837	13	19	439	567	1,243
15	Non-generating	6,581	—	—	184	125	168
16	Generating	16,680	14	25	427	773	2,561
17	Hydraulic	14,675	—	—	427	186	2,561
18	Thermal	2,005	14	25	—	587	—
	In Non-generating Stations:						
19	Total	7,121	3	1	335	195	302
20	Salaried (officers, clerks, other)	3,183	3	—	119	95	128
21	Wage Earners	3,938	—	1	216	100	174
	In Generating Stations:						
22	Total	26,641	455	155	1,118	848	7,863
23	Salaried (officers, clerks, other)	12,592	98	71	330	279	3,765
24	Wage Earners	14,049	357	84	788	569	4,098
25	Hydraulic	23,793	440	4	972	257	7,807
26	Thermal	2,848	15	151	146	591	56

1. Employees engaged on new construction are excluded.

TABLEAU 6. Employés¹, 1954

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.		No.
						Employés:	
15,124	2,049	1,246	1,499	2,509	60	Total	1
44.80	6.07	3.69	4.44	7.43	0.18	Pourcentage du total national	2
7,861	861	486	600	1,057	22	A salaire (administrateurs, commis, autres).....	3
7,263	1,188	760	899	1,452	38	A gages	4
						Dans les centrales privées:	
427	78	157	870	1,939	32	Total	5
119	37	71	352	867	13	A salaire (administrateurs, commis, autres).....	6
308	41	86	518	1,072	19	A gages	7
73	77	2	6	14	9	Non génératrices	8
354	1	155	864	1,925	23	Génératrices	9
353	1	78	471	1,901	8	Hydrauliques	10
1	—	77	393	24	15	Thermiques	11
						Dans les centrales publiques:	
14,697	1,971	1,089	629	570	28	Total	12
7,742	824	415	248	190	9	A salaire (administrateurs, commis, autres)	13
6,955	1,147	674	381	380	19	A gages	14
5,052	574	68	309	101	—	Non-génératrices	15
9,645	1,397	1,021	320	469	28	Génératrices	16
9,638	1,384	—	—	451	28	Hydrauliques	17
7	13	1,021	320	18	—	Thermiques	18
						Dans les centrales non génératrices:	
5,125	651	70	315	115	9	Total	19
2,227	359	45	164	40	3	A salaire (administrateurs, commis, autres)	20
2,898	292	25	151	75	6	A gages	21
						Dans les centrales génératrices:	
9,999	1,398	1,176	1,184	2,394	51	Total	22
5,634	502	441	436	1,017	19	A salaire (administrateurs, commis, autres)	23
4,365	896	735	748	1,377	32	A gages	24
9,991	1,385	78	471	2,352	36	Hydrauliques	25
8	13	1,098	713	42	15	Thermiques	26

1. Non compris les employés travaillant aux nouvelles constructions.

THE CENTRAL ELECTRIC STATIONS INDUSTRY

TABLE 7. Thermal Plant Equipment Operated by Hydraulic Stations and by Non-generating Stations, 1954

No.		Unit	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
1	Total Primary Power	h.p.	1,261,548	4,647	300	117,851	10,645	50,302
2	Per cent of total for Canada	—	100.00	0.37	0.02	9.34	0.84	3.99
3	Steam reciprocating engines	No.	13	—	1	3	2	—
4	Total capacity	h.p.	4,818	—	75	1,190	800	—
5	Steam turbines	No.	56	—	—	11	3	8
6	Total capacity	h.p.	1,162,933	—	—	110,424	1,925	36,224
7	Gas and oil engines	No.	172	7	2	18	8	17
8	Total capacity	h.p.	93,797	4,647	225	6,237	7,920	14,078
9	Total Generator Capacity	kva.	998,871	3,912	168	99,881	8,731	44,677
Private Stations								
10	Total Primary Power	h.p.	168,887	4,647	300	80,643	4,765	14,338
11	Steam reciprocating engines	No.	13	—	1	3	2	—
12	Total capacity	h.p.	4,818	—	75	1,190	800	—
13	Steam turbines	No.	24	—	—	4	3	3
14	Total capacity	h.p.	129,903	—	—	76,398	1,925	3,500
15	Gas and oil engines	No.	60	7	2	5	3	14
16	Total capacity	h.p.	34,166	4,647	225	3,055	2,040	10,838
17	Total Generator Capacity	kva.	136,989	3,912	168	66,068	3,585	11,858
Public Stations								
18	Total Primary Power	h.p.	1,092,661	—	—	37,208	5,880	35,964
19	Steam reciprocating engines	No.	—	—	—	—	—	—
20	Total capacity	h.p.	—	—	—	—	—	—
21	Steam turbines	No.	32	—	—	7	—	5
22	Total capacity	h.p.	1,033,030	—	—	34,026	—	32,724
23	Gas and oil engines	No.	112	—	—	13	5	3
24	Total capacity	h.p.	59,631	—	—	3,182	5,880	3,240
25	Total Generator Capacity	kva.	861,882	—	—	33,813	5,146	32,819
Hydraulic Stations								
26	Total Primary Power	h.p.	1,228,401	4,647	300	107,325	3,440	39,578
27	Steam reciprocating engines	No.	8	—	1	—	—	—
28	Total capacity	h.p.	2,828	—	75	—	—	—
29	Steam turbines	No.	44	—	—	7	—	6
30	Total capacity	h.p.	1,142,633	—	—	104,173	—	25,500
31	Gas and oil engines	No.	152	7	2	11	3	17
32	Total capacity	h.p.	82,940	4,647	225	3,152	3,440	14,078
33	Total Generator Capacity	kva.	969,680	3,912	168	91,018	2,976	34,677
Non-generating Stations								
34	Total Primary Power	h.p.	33,147	—	—	10,526	7,205	10,724
35	Steam reciprocating engines	No.	5	—	—	3	2	—
36	Total capacity	h.p.	1,990	—	—	1,190	800	—
37	Steam engines	No.	12	—	—	4	3	2
38	Total capacity	h.p.	20,300	—	—	6,251	1,925	10,724
39	Gas and oil engines	No.	20	—	—	7	5	—
40	Total capacity	h.p.	10,857	—	—	3,085	4,480	—
41	Total Generator Capacity	kva.	29,191	—	—	8,863	5,755	10,000

TABLEAU 7. Outillage thermique des centrales hydrauliques et des centrales non génératrices, 1954

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	Unité		No
947,051	35,980	—	18,963	74,863	946	h.p.	Total, énergie primaire	1
75.07	2.35	—	1.50	5.94	0.08	—	Pourcentage du total national	2
—	—	—	7	—	—	nomb.	Machines à vapeur, à mouvement alternatif	3
—	—	—	2,753	—	—	h.p.	Capacité totale	4
15	6	—	4	8	1	nomb.	Turbines à vapeur.....	5
934,320	35,980	—	15,000	28,900	160	h.p.	Capacité totale	6
17	—	—	7	89	7	nomb.	Moteurs à gaz et à pétrole.....	7
12,731	—	—	1,210	45,963	786	h.p.	Capacité totale	8
733,429	32,556	—	15,562	59,184	771	kva.	Capacité totale des générateurs.....	9
Centrales privées								
7,370	—	—	18,963	37,555	306	h.p.	Total, énergie primaire	10
—	—	—	7	—	—	nomb.	Machines à vapeur, à mouvement alternatif	11
—	—	—	2,753	—	—	h.p.	Capacité totale	12
1	—	—	4	8	1	nomb.	Turbines à vapeur.....	13
4,020	—	—	15,000	28,900	160	h.p.	Capacité totale	14
4	—	—	7	15	3	nomb.	Moteurs à gaz et à pétrole.....	15
3,350	—	—	1,210	8,655	146	h.p.	Capacité totale	16
7,094	—	—	15,562	28,484	258	kva.	Capacité totale des générateurs.....	17
Centrales publiques								
939,681	35,980	—	—	37,308	640	h.p.	Total, énergie primaire	18
—	—	—	—	—	—	nomb.	Machines à vapeur, à mouvement alternatif	19
—	—	—	—	—	—	h.p.	Capacité totale	20
14	6	—	—	—	—	nomb.	Turbines à vapeur.....	21
930,300	35,980	—	—	—	—	h.p.	Capacité totale	22
13	—	—	—	74	4	nomb.	Moteurs à gaz et à pétrole.....	23
9,381	—	—	—	37,308	640	h.p.	Capacité totale	24
726,335	32,556	—	—	30,700	513	kva.	Capacité totale des générateurs.....	25
Centrales hydrauliques								
944,001	34,740	—	18,963	74,767	640	h.p.	Total, énergie primaire	26
—	—	—	7	—	—	nomb.	Machines à vapeur, à mouvement alternatif	27
—	—	—	2,753	—	—	h.p.	Capacité totale	28
15	4	—	4	8	—	nomb.	Turbines à vapeur.....	29
934,320	34,740	—	15,000	28,900	—	h.p.	Capacité totale	30
14	—	—	7	87	4	nomb.	Moteurs à gaz et à pétrole.....	31
9,681	—	—	1,210	45,867	640	h.p.	Capacité totale	32
730,335	31,400	—	15,562	59,119	513	kva.	Capacité totale des générateurs.....	33
Centrales non génératrices								
3,050	1,240	—	—	96	306	h.p.	Total, énergie primaire	34
—	—	—	—	—	—	nomb.	Machines à vapeur, à mouvement alternatif	35
—	—	—	—	—	—	h.p.	Capacité totale	36
—	2	—	—	—	1	nomb.	Turbines à vapeur.....	37
—	1,240	—	—	—	160	h.p.	Capacité totale	38
3	—	—	—	2	3	nomb.	Moteurs à gaz et à pétrole.....	39
3,050	—	—	—	96	146	h.p.	Capacité totale	40
3,094	1,156	—	—	65	258	kva.	Capacité totale des générateurs.....	41

TABLE 8. Total Equipment, 1954 (including thermal equipment—table 7)

No.		Unit	Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
1	Total Primary Power	h.p.	16, 721, 816	113, 903	21, 539	399, 871	265, 371	7, 450, 995
2	Per cent of total for Canada	—	100.00	0.68	0.13	2.39	1.59	44.56
3	Water wheels and turbines	No.	962	37	5	57	15	308
4	Total capacity	h.p.	14, 461, 523	106, 850	369	155, 605	133, 600	7, 394, 133
5	Steam reciprocating engines	No.	17	—	1	3	4	—
6	Total capacity	h.p.	17, 346	—	75	1, 190	2, 600	—
7	Steam turbines	No.	146	—	5	24	17	9
8	Total capacity	h.p.	2, 062, 052	—	16, 680	236, 679	118, 645	36, 374
9	Gas and oil engines	No.	450	19	9	20	20	31
10	Total capacity	h.p.	180, 895	7, 053	4, 415	6, 397	10, 526	20, 488
11	Total Generator Capacity	kva.	13, 916, 763	97, 786	17, 245	340, 287	232, 323	6, 390, 894
12	Per cent of total for Canada	—	100.00	0.70	0.12	2.45	1.67	45.92
13	Generators, A.C.	No.	1, 557	56	15	102	55	348
14	Total capacity	kva.	13, 915, 937	97, 786	16, 950	339, 987	232, 323	6, 390, 894
15	Generators, D.C.	No.	13	—	3	1	—	—
16	Total capacity	kw.	826	—	295	300	—	—
Private Stations								
17	Total Primary Power	h.p.	8, 011, 498	111, 639	17, 349	258, 113	105, 890	5, 618, 996
18	Water wheels and turbines	No.	484	37	5	15	8	217
19	Total capacity	h.p.	7, 497, 346	106, 850	369	51, 055	94, 000	5, 598, 098
20	Steam reciprocating engines	No.	14	—	1	3	2	—
21	Total capacity	h.p.	14, 876	—	75	1, 190	800	—
22	Steam turbines	No.	67	—	5	17	6	4
23	Total capacity	h.p.	435, 056	—	16, 680	202, 653	8, 975	3, 650
24	Gas and oil engines	No.	206	9	2	7	4	28
25	Total capacity	h.p.	64, 220	4, 789	225	3, 215	2, 115	17, 248
26	Total Generator Capacity	kva.	6, 759, 428	96, 150	13, 644	217, 742	92, 560	4, 734, 493
27	Generators, A.C.	No.	759	46	8	41	19	248
28	Total capacity	kva.	6, 758, 773	96, 150	13, 349	217, 442	92, 560	4, 734, 493
29	Generators, D.C.	No.	7	—	3	1	—	—
30	Total capacity	kw.	655	—	295	300	—	—
Public Stations								
31	Total Primary Power	h.p.	8, 710, 318	2, 264	4, 190	141, 758	159, 481	1, 831, 999
32	Water wheels and turbines	No.	478	—	—	42	7	91
33	Total capacity	h.p.	6, 964, 177	—	—	104, 550	39, 600	1, 796, 035
34	Steam reciprocating engines	No.	3	—	—	—	2	—
35	Total capacity	h.p.	2, 470	—	—	—	1, 800	—
36	Steam turbines	No.	79	—	—	7	11	5
37	Total capacity	h.p.	1, 626, 996	—	—	34, 026	109, 670	32, 724
38	Gas and oil engines	No.	244	10	7	13	16	3
39	Total capacity	h.p.	116, 675	2, 264	4, 190	3, 182	8, 411	3, 240
40	Total Generator Capacity	kva.	7, 157, 335	1, 636	3, 601	122, 545	139, 763	1, 656, 401
41	Generators, A.C.	No.	728	10	7	61	36	100
42	Total capacity	kva.	7, 157, 164	1, 636	3, 601	122, 545	139, 763	1, 656, 401
43	Generators, D.C.	No.	6	—	—	—	—	—
44	Total capacity	kw.	171	—	—	—	—	—
Hydraulic Stations								
45	Total Generator Capacity	kva.	13, 034, 163	96, 094	481	225, 876	120, 601	6, 375, 925
46	Generators, A.C.	No.	1, 154	44	3	74	18	331
47	Total capacity	kva.	13, 033, 753	96, 094	186	225, 876	120, 601	6, 375, 925
48	Generators, D.C.	No.	5	—	3	—	—	—
49	Total capacity	kw.	410	—	295	—	—	—
Thermal Stations								
50	Total Generator Capacity	kva.	853, 409	1, 692	16, 764	105, 548	105, 967	4, 969
51	Generators, A.C.	No.	368	12	12	15	28	15
52	Total capacity	kva.	853, 293	1, 692	16, 764	105, 548	105, 967	4, 969
53	Generators, D.C.	No.	7	—	—	—	—	—
54	Total capacity	kw.	116	—	—	—	—	—
Non-generating Stations								
55	Total Generator Capacity	kva.	29, 191	—	—	8, 863	5, 755	10, 000

1. Generating equipment for the Yukon and Northwest Territories is located mainly in the mining and smelting industry.

TABLEAU 8. Outillage global, 1954 (y compris l'outillage thermique — tableau 7)

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon ¹ and N.W.T.	Unité		N°
5,576,193	752,250	476,706	542,179	1,106,057	16,752	h.p.	Total, énergie primaire	1
33,35	4,50	2,85	3,24	6,61	0,10	—	Pourcentage du total national	2
408	44	6	16	61	5	nomb.	Turbines et roues hydrauliques	3
4,582,876	715,000	106,500	235,900	1,015,950	14,740	h.p.	Capacité totale	4
—	—	1	8	—	—	nomb.	Machines à vapeur, à mouvement alternatif	5
—	—	670	12,811	—	—	h.p.	Capacité totale	6
19	6	26	28	11	1	nomb.	Turbines à vapeur	7
980,070	35,980	329,894	272,000	35,570	160	h.p.	Capacité totale	8
20	3	106	93	114	15	nomb.	Moteurs à gaz et à pétrole	9
13,247	1,270	39,642	21,468	54,537	1,852	h.p.	Capacité totale	10
4,426,515	577,651	408,460	450,943	960,332	14,327	kva.	Capacité totale des générateurs	11
31,81	4,15	2,94	3,24	6,90	0,10	—	Pourcentage du total pour le Canada	12
442	53	130	147	188	21	nomb.	Générateurs, C.A.	13
4,426,400	577,651	408,344	450,943	960,332	14,327	kva.	Capacité totale	14
2	—	7	—	—	—	nomb.	Générateurs, C.D.	15
115	—	116	—	—	—	kw.	Capacité totale	16
Centrales privées								
559,235	7,000	156,051	337,804	834,659	4,762	h.p.	Total, énergie primaire	17
133	2	6	16	42	3	nomb.	Turbines et roues hydrauliques	18
506,079	7,000	106,500	235,900	788,105	3,390	h.p.	Capacité totale	19
—	—	—	8	—	—	nomb.	Machines à vapeur, à mouvement alternatif	20
—	—	—	12,811	—	—	h.p.	Capacité totale	21
5	—	4	14	11	1	nomb.	Turbines à vapeur	22
49,770	—	47,998	69,600	35,570	160	h.p.	Capacité totale	23
5	—	21	87	32	11	nomb.	Moteurs à gaz et à pétrole	24
3,386	—	1,553	19,493	10,984	1,212	h.p.	Capacité totale	25
464,901	5,500	132,715	272,701	725,208	3,814	kva.	Capacité totale des générateurs	26
141	2	27	127	85	15	nomb.	Générateurs, C.A.	27
464,901	5,500	132,655	272,701	725,208	3,814	kva.	Capacité totale	28
—	—	3	—	—	—	nomb.	Générateurs, C.D.	29
—	—	60	—	—	—	kw.	Capacité totale	30
Centrales publiques								
5,016,958	745,250	320,655	204,375	271,398	11,990	h.p.	Total, énergie primaire	31
275	42	—	—	19	2	nomb.	Turbines et roues hydrauliques	32
4,076,797	708,000	—	—	227,845	11,350	h.p.	Capacité totale	33
—	—	1	—	—	—	nomb.	Machines à vapeur, à mouvement alternatif	34
—	—	670	—	—	—	h.p.	Capacité totale	35
14	6	22	14	—	—	nomb.	Turbines à vapeur	36
930,300	35,980	281,896	202,400	—	—	h.p.	Capacité totale	37
15	3	85	6	82	4	nomb.	Moteurs à gaz et à pétrole	38
9,861	1,270	38,089	1,975	43,553	640	h.p.	Capacité totale	39
3,961,614	572,151	275,745	178,242	235,124	10,513	kva.	Capacité totale des générateurs	40
301	51	103	20	103	6	nomb.	Générateurs, C.A.	41
3,961,499	572,151	275,689	178,242	235,124	10,513	kva.	Capacité totale	42
2	—	4	—	—	—	nomb.	Générateurs, C.D.	43
115	—	56	—	—	—	kw.	Capacité totale	44
Centrales hydrauliques								
4,385,856	575,400	90,000	205,227	945,497	13,206	kva.	Capacité totale des générateurs	45
432	48	6	32	157	9	nomb.	Générateurs, C.A.	46
4,385,741	575,400	90,000	205,227	945,497	13,206	kva.	Capacité totale	47
2	—	—	—	—	—	nomb.	Générateurs, C.D.	48
115	—	—	—	—	—	kw.	Capacité totale	49
Centrales thermiques								
37,565	1,095	318,460	245,716	14,770	863	kva.	Capacité totale des générateurs	50
7	3	124	115	29	8	nomb.	Générateurs, C.A.	51
37,565	1,095	318,344	245,716	14,770	863	kva.	Capacité totale	52
—	—	7	—	—	—	nomb.	Générateurs, C.D.	53
—	—	116	—	—	—	kw.	Capacité totale	54
Centrales non génératrices								
3,094	1,156	—	—	65	258	kva.	Capacité totale des générateurs	55

1. L'outillage générateur du Yukon et des Territoires du Nord-Ouest paraît en majeure partie dans l'industrie de l'extraction minière et de la fonte des métaux.

TABLE 9. Electric Energy Generated, 1934

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
All Stations							
1	Total Kilowatt Hours Generated ('000)	65,936,440	279,777	42,514	1,120,508	899,975	34,098,234
2	Per cent of total for Canada	100.00	0.42	0.06	1.70	1.37	51.71
3	Kilowatt hours generated by non-generating stations ('000) ..	1,331	—	—	—	1,299	—
4	Kilowatt hours generated by generating stations ('000)	65,935,109	279,777	42,514	1,120,508	898,676	34,098,234
5	Kva. capacity of generating stations	13,887,572	97,786	17,245	331,424	226,568	6,380,894
6	Ratio of output to maximum capacity (p.c.)	54.20	32.66	28.14	38.60	45.27	61.00
7	Average kilowatt hours per kva.	4,748	2,861	2,465	3,381	3,966	5,344
Generating Stations							
Private:							
Total							
8	Kilowatt hours generated ('000)	33,383,170	275,331	34,007	665,229	508,473	25,755,457
9	Kva. capacity	6,749,788	96,150	13,644	213,854	90,225	4,734,493
10	Ratio of output to maximum capacity (p.c.)	56.46	32.69	28.45	35.51	64.34	62.10
11	Average kilowatt hours per kva.	4,946	2,864	2,492	3,111	5,636	5,440
Hydraulic stations							
12	Kilowatt hours generated ('000)	32,765,744	275,319	646	364,027	493,195	25,744,982
13	Kva. capacity	6,463,476	96,094	481	108,306	83,600	4,729,524
14	Ratio of output to maximum capacity (p.c.)	57.87	32.71	15.33	38.37	67.18	62.13
15	Average kilowatt hours per kva.	5,069	2,865	1,343	3,361	5,885	5,443
Thermal stations							
16	Kilowatt hours generated ('000)	617,426	12	33,361	301,202	15,278	10,475
17	Kva. capacity	286,312	56	13,163	105,548	6,425	4,969
18	Ratio of output to maximum capacity (p.c.)	24.61	—	28.93	32.58	27.15	24.06
19	Average kilowatt hours per kva.	2,156	—	2,534	2,854	2,378	2,108
Public:							
Total							
20	Kilowatt hours generated ('000)	32,551,939	4,446	8,507	455,279	390,203	8,342,777
21	Kva. capacity	7,137,784	1,636	3,601	117,570	136,343	1,646,401
22	Ratio of output to maximum capacity (p.c.)	52.07	31.03	26.96	44.20	32.67	57.84
23	Average kilowatt hours per kva.	4,561	2,718	2,362	3,872	2,862	5,067
Hydraulic stations							
24	Kilowatt hours generated ('000)	31,166,215	—	—	455,279	175,149	8,342,566
25	Kva. capacity	6,570,687	—	—	117,570	36,801	1,646,401
26	Ratio of output to maximum capacity (p.c.)	54.14	—	—	44.20	54.33	57.84
27	Average kilowatt hours per kva.	4,743	—	—	3,872	4,759	5,067
Thermal stations							
28	Kilowatt hours generated ('000)	1,385,724	4,446	8,507	—	215,054	211
29	Kva. capacity	567,097	1,636	3,601	—	99,542	3
30	Ratio of output to maximum capacity (p.c.)	27.90	31.03	26.96	—	24.66	—
31	Average kilowatt hours per kva.	2,444	2,718	2,362	—	2,160	—
Hydraulic Stations:							
32	Kilowatt hours generated ('000)	63,931,959	275,319	646	819,306	668,344	34,087,548
33	Kva. capacity	13,034,163	96,094	481	225,876	120,601	6,375,925
34	Ratio of output to maximum capacity (p.c.)	55.99	32.71	15.33	41.40	63.26	61.03
35	Average kilowatt hours per kva.	4,905	2,865	1,343	3,627	5,542	5,346
36	Kilowatt hours generated by water power ('000)	62,572,316	274,213	645	528,491	664,135	34,080,730
37	Kilowatt hours generated by thermal plants operated by hydraulic systems ('000)	1,359,643	1,106	1	290,815	4,209	6,818
Thermal Stations:							
38	Kilowatt hours generated ('000)	2,003,150	4,458	41,868	301,202	230,332	10,686
39	Kva. capacity	853,409	1,692	16,764	105,548	105,967	4,969
40	Ratio of output to maximum capacity (p.c.)	26.79	30.08	28.50	32.58	24.82	24.55
41	Average kilowatt hours per kva.	2,347	2,635	2,497	2,854	2,174	2,151
Consumption of Electric Energy ('000):							
42	Total kilowatt hours generated	65,936,440	279,777	42,514	1,120,508	899,975	34,098,234
43	Kilowatt hours imported from the United States	119,024	—	—	—	3	539
44	Kilowatt hours imported from other provinces	—	—	—	—	17,275	10,621
45	Kilowatt hours exported to the United States	2,718,308	—	—	—	62,333	17,475 ²
46	Kilowatt hours exported to other provinces	—	—	—	7,236	780	5,135,022
47	Kilowatt Hours for Consumption in Canada ('000)	63,337,156	279,777	42,514	1,113,272	854,140	28,956,897
48	Domestic service	11,280,513	87,089	14,053	248,343	153,212	2,342,693
49	Commercial light	4,210,156	25,296	11,660	96,352	71,734	1,061,791
50	Small power	964,320	11,407	606	43,763	41,640	172,515
51	Large power ¹	38,774,997	114,897	8,216	568,375	493,334	22,924,951
52	Municipal power	900,779	914	933	5,377	3,488	208,151
53	Street lighting	406,609	3,979	808	9,348	9,599	85,450
54	Free service (other than street lighting)	28,549	1,915	10	217	99	16,018
55	Losses	6,771,233	34,280	6,228	141,497	81,034	2,145,328

1. Excludes exports to other provinces and/or to the United States.

2. Exports of 641,757,000 kw. hrs. of Quebec power to U.S.A. through Ontario are credited to Ontario (See page 8 for explanation).

3. Generating equipment is located mainly in other industries.

TABLEAU 9. Énergie électrique produite, 1954

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.		No
Toutes centrales							
20,142,732	3,010,723	1,292,279	1,498,485	3,485,910	65,303	Total kwh produits (milliers)	1
30.55	4.57	1.96	2.27	5.29	0.10	Pourcentage du total national	2
4	—	—	—	—	28	Kwh produits par les usines non-génératrices (milliers)	3
20,142,728	3,010,723	1,292,279	1,498,485	3,485,910	65,275	Kwh produits par les usines génératrices (milliers)	4
4,423,421	576,495	408,460	450,943	960,267	14,069 ³	Capacité des usines génératrices en kva	5
51.99	59.61	36.12	37.93	41.44	—	Proportion de la production à la capacité maximum (%)	6
4,554	5,222	3,164	3,323	3,630	—	Moyenne de kwh par kva	7
Génératrices							
Privées:							
Total							
1,853,161	761	664,972	984,235	2,627,844	13,700	Kwh produits (milliers)	8
461,807	5,500	132,715	272,701	725,143	3,556 ³	Capacité en kva	9
45.81	—	57.20	41.20	41.37	—	Proportion de la production à la capacité maximum (%)	10
4,013	—	5,011	3,609	3,624	—	Moyenne de kwh par kva	11
Centrales hydrauliques							
1,847,711	761	559,300	857,526	2,609,688	12,589	Kwh produits (milliers)	12
424,642	5,500	90,000	205,227	717,209	2,693 ³	Capacité en kva	13
49.67	—	70.94	47.69	41.54	—	Proportion de la production à la capacité maximum (%)	14
4,351	—	6,214	4,178	3,639	—	Moyenne de kwh par kva	15
Centrales thermiques							
5,450	—	105,672	126,709	18,156	1,111	Kwh produits (milliers)	16
37,165	—	42,715	67,474	7,934	863 ³	Capacité en kva	17
—	—	28.24	21.44	26.12	—	Proportion de la production à la capacité maximum (%)	18
—	—	2,474	1,878	2,288	—	Moyenne de kwh par kva	19
Publiques:							
Total							
18,289,567	3,009,962	627,307	514,250	858,066	51,575	Kwh produits (milliers)	20
3,961,614	570,995	275,745	178,242	235,124	10,513	Capacité en kva	21
52.71	60.17	25.97	32.93	41.66	56.00	Proportion de la production à la capacité maximum (%)	22
4,617	5,271	2,275	2,885	3,649	4,906	Moyenne de kwh par kva	23
Centrales hydrauliques							
18,287,016	3,007,397	—	—	847,233	51,575	kwh produits (milliers)	24
3,961,214	569,900	—	—	228,288	10,513	Capacité en kva	25
52.70	60.24	—	—	42.36	56.00	Proportion de la production à la capacité maximum (%)	26
4,617	5,277	—	—	3,711	4,906	Moyenne de kwh par kva	27
Centrales thermiques							
2,551	2,565	627,307	514,250	10,833	—	Kwh produits (milliers)	28
400	1,095	275,745	178,242	6,836	—	Capacité en kva	29
72.81	26.74	25.97	32.93	18.09	—	Proportion de la production à la capacité maximum (%)	30
6,378	2,342	2,275	2,885	1,585	—	Moyenne de kwh par kva	31
Toutes centrales hydrauliques:							
20,134,727	3,008,158	559,300	857,526	3,456,921	64,164	Kwh produits (milliers)	32
4,385,856	575,400	90,000	205,227	945,497	13,206	Capacité en kva	33
52.41	59.68	70.94	47.69	41.74	55.47	Proportion de la production à la capacité maximum (%)	34
4,591	5,228	6,214	4,178	3,656	4,859	Moyenne de kwh par kva	35
19,162,186	3,004,268	559,300	857,150	3,377,787	63,411	Kwh produits par énergie hydraulique (milliers)	36
972,541	3,890	—	376	79,134	753	Kwh produits par les centrales thermiques à systèmes hydrauliques (milliers)	37
Toutes centrales thermiques:							
8,001	2,565	732,979	640,959	28,989	1,111	Kwh produits (milliers)	38
37,565	1,095	318,460	245,716	14,770	863 ³	Capacité en kva	39
—	26.74	26.28	29.78	22.41	—	Proportion de la production à la capacité maximum (%)	40
—	2,342	2,302	2,609	1,963	—	Moyenne de kwh par kva	41
Consommation d'énergie électrique (milliers):							
20,142,732	3,010,723	1,292,279	1,498,485	3,485,910	65,303	Total, kwh produits	42
113,039	868	182	—	4,393	—	Kwh importés des États-Unis	43
5,124,983	516,115	1,489	15,970	—	—	Kwh importés d'autres provinces	44
2,488,416 ²	6	—	—	150,078	—	Kwh exportés aux États-Unis	45
9,841	1,489	516,115	—	15,970	—	Kwh exportés à d'autres provinces	46
22,882,497	3,526,211	777,835	1,514,455	3,324,255	65,303	Kwh consommés au Canada (milliers)	47
5,722,569	1,003,027	282,542	355,643	1,063,647	7,695	Service ménager	48
1,931,122	250,374	126,999	189,067	443,823	1,938	Éclairage commercial	49
304,877	88,973	56,116	124,721	118,871	831	Petite énergie	50
10,959,769	1,676,445	148,380	601,423	1,232,971	46,236	Grosse énergie ¹	51
503,040	131,450	11,182	25,866	4,790	5,588	Énergie (municipale)	52
192,095	29,617	15,187	18,476	41,826	224	Éclairage des rues	53
5,412	586	135	2,292	1,492	373	Service gratuit (autre que l'éclairage des rues)	54
3,263,613	345,739	137,294	196,967	416,835	2,418	Pertes	55

1. Sans les exportations à d'autres provinces et/ou aux États-Unis.

2. L'exportation de 641,757,000 kwh d'énergie du Québec aux E.-U. en passant par l'Ontario est attribuée à l'Ontario. (Voir explication, page 8.)

3. L'outillage générateur est situé principalement dans d'autres industries.

THE CENTRAL ELECTRIC STATIONS INDUSTRY

TABLE 10. Fuel Used to Develop Power, 1954

No.		Bituminous Coal — Charbon Bitumineux			
		Canadian — Canadien		Imported — Importé	
		Quantity — Quantité	Value — Valeur	Quantity — Quantité	Value — Valeur
		Tons — tonnes	\$	Tons — tonnes	\$
1	Canada	894,491 ¹	6,592,904	483,106	4,007,250
2	Newfoundland	—	—	—	—
3	Prince Edward Island	2,121	25,464	—	—
4	Nova Scotia	364,881	3,657,766	—	—
5	New Brunswick	159,605	1,469,276	—	—
6	Quebec	1,642	16,600	—	—
7	Ontario	—	—	483,106	4,007,250
8	Manitoba	10,762	125,248	—	—
9	Saskatchewan	231,111 ¹	1,105,245	—	—
10	Alberta	124,166 ¹	188,779	—	—
11	British Columbia	203	2,526	—	—
12	Yukon and Northwest Territories	—	—	—	—
		Fuel Oil and Diesel Oil Mazout et huile diesel		Manufactured Gas Gaz fabriqué	
		Quantity — Quantité	Value — Valeur	Quantity — Quantité	Value — Valeur
		Gal.	\$	'000 cu. ft. — pds. cu.	\$
13	Canada	45,803,813	4,562,505	6,539,032	197,745
14	Newfoundland	186,519	36,106	—	—
15	Prince Edward Island	3,625,517	352,063	—	—
16	Nova Scotia	299,754	47,197	6,538,286	197,364
17	New Brunswick	610,073	123,969	—	—
18	Quebec	1,364,814	260,410	—	—
19	Ontario	808,190	134,632	746	381
20	Manitoba	175,721	34,796	—	—
21	Saskatchewan	31,238,120	2,102,688	—	—
22	Alberta	1,219,775	215,648	—	—
23	British Columbia	6,124,948	1,207,548	—	—
24	Yukon and Northwest Territories	150,382	41,448	—	—

1. Includes sub-bituminous coal.

Note: Tons = 2,000 lbs; gallons = Imperial.

TABLE 11. Pole Line Mileage, 1954

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia	New Brunswick	Québec
1	Pole Line Mileage, Total	228,158	1,972	841	9,830	8,881	36,529
2	Per cent of total for Canada	100.00	0.87	0.37	4.31	3.89	16.01
3	Miles of steel towers	9,265	114	—	25	400	2,075
4	Miles of steel poles	192	14	—	2	—	92
5	Miles of wooden poles	214,991	1,831	841	9,772	8,474	33,291
6	Miles of concrete poles	566	10	—	—	—	—
7	Miles of underground and submarine cable	3,144	3	—	31	7	1,071
8	Private Stations	79,671	1,924	683	4,415	733	31,661
9	Non-generating	7,465	13	21	1,410	236	5,104
10	Generating	72,206	1,911	662	3,005	497	26,557
11	Hydraulic	61,764	1,910	29	2,489	473	26,097
12	Thermal	10,442	1	633	516	24	460
13	Public Stations	148,487	48	158	5,415	8,148	4,968
14	Non-generating	43,462	—	—	992	322	476
15	Generating	105,025	48	158	4,423	7,826	4,392
16	Hydraulic	70,525	—	—	4,423	42	4,387
17	Thermal	34,500	48	158	—	7,784	5
18	Non-Generating Stations	50,927	13	21	2,402	558	5,580
19	Generating Stations	177,231	1,959	820	7,423	8,323	30,949
20	Hydraulic	132,289	1,910	29	6,912	515	30,484
21	Thermal	44,942	49	791	516	7,808	465

TABLEAU 10. Combustible employé pour la production d'énergie, 1954

Lignite Coal — Charbon lignite		Gasoline — Essence			N°
Canadian — Canadien					
Quantity — Quantité	Value — Valeur	Quantity — Quantité	Value — Valeur		
Tons — tonnes	\$	Gal.	\$		
186, 077	385, 226	82, 904	18, 159	Canada	1
—	—	80	33	Terre-Neuve	2
—	—	—	—	Île-du-Prince-Edouard	3
—	—	—	—	Nouvelle-Ecosse	4
—	—	—	—	Nouveau-Brunswick	5
—	—	10	4	Québec	6
2, 062	11, 176	700	217	Ontario	7
14, 677	75, 900	—	—	Manitoba	8
169, 338	298, 150	28, 185	6, 146	Saskatchewan	9
—	—	53, 620	11, 634	Alberta	10
—	—	159	45	Colombie-Britannique	11
—	—	150	80	Yukon et Territoires du Nord-Ouest	12
Natural Gas — Gaz naturel		Other Fuel — Autre combustible			
Quantity — Quantité	Value — Valeur	Value — Valeur	Total Value — Valeur totale		
'000 cu. ft. — pds. cu.	\$	\$	\$		
9, 584, 934	1, 124, 434	81, 607	16, 969, 850	Canada	13
—	—	—	36, 139	Terre-Neuve	14
—	—	—	383, 527	Île-du-Prince-Edouard	15
—	—	—	3, 902, 327	Nouvelle-Ecosse	16
—	—	—	1, 593, 245	Nouveau-Brunswick	17
—	—	—	279, 014	Québec	18
—	—	280	4, 153, 936	Ontario	19
—	—	77, 637	313, 581	Manitoba	20
669, 733	98, 126	82	3, 610, 437	Saskatchewan	21
8, 814, 408	975, 576	849	1, 392, 486	Alberta	22
100, 793	50, 752	2, 759	1, 263, 630	Colombie-Britannique	23
—	—	—	41, 528	Yukon et Territoires du Nord-Ouest	24

1. Y compris la houille maigre.

Nota: Tonne = 2,000 livres; gallon = Impérial.

TABLEAU 11. Longueur (en milles) des lignes sur poteaux, 1954

Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.	N°
65, 941	33, 615	26, 177	30, 727	13, 431	214	Longueur (en milles) des lignes sur poteaux, total
28, 90	14, 73	11, 47	13, 47	5, 89	0, 09	Pourcentage du total national
5, 097	894	15	43	602	—	Milles de pylones d'acier
81	3	—	—	—	—	Milles de poteaux d'acier
58, 784	32, 640	26, 113	30, 500	12, 533	212	Milles de poteaux de bois
556	—	—	—	—	—	Milles de poteaux de ciment
1, 423	78	49	184	296	2	Milles de cables souterrains et sous-marins
1, 759	291	326	25, 161	8, 646	72	Centrales privées
267	291	10	29	62	22	Non génératrices
1, 492	—	316	29, 132	8, 584	50	Génératrices
1, 478	—	12	20, 724	8, 520	32	Hydrauliques
14	—	304	2, 408	64	18	Thermiques
64, 182	33, 324	25, 851	1, 566	4, 785	142	Centrales publiques
9, 121	31, 056	203	785	507	—	Non génératrices
55, 061	2, 268	25, 648	781	4, 278	142	Génératrices
55, 032	2, 260	—	—	4, 239	142	Hydrauliques
29	8	25, 648	781	39	—	Thermiques
9, 388	31, 347	213	814	569	22	Centrales non génératrices
56, 553	2, 268	25, 964	29, 913	12, 862	192	Centrales génératrices
56, 510	2, 260	12	20, 724	12, 759	174	Hydrauliques
43	8	25, 952	9, 189	103	18	Thermiques

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Electric power statistics

CENTRAL ELECTRIC STATIONS

1955



DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
Transportation and Public Utilities Section

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CENTRAL ELECTRIC STATIONS
1955

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CENTRAL ELECTRIC STATIONS

1955

This series of statistics on central electric stations is being revised with the assistance and cooperation of the Canadian Electrical Association in order to present data on the electric utility industry in Canada in a more useful form. This 1955 report, therefore, may be considered a transition from the previous organization of central electric station statistics to the new presentation which will begin in 1956.

Central electric stations are still defined as companies, municipalities or individuals selling or distributing electric energy, whether generated by themselves or purchased for resale. However, the stations are classified only on the basis of public or private operation and not, as in previous years, according to their function as generating or non-generating stations.

Two tables, "Expenses" and "Thermal Plant Equipment Operated by Hydraulic and Non-generating Stations" have been dropped completely because it was felt that the presentation of such statistics was not meaningful enough at this time. The table formerly entitled "Total Equipment" is now called "Generating Capacity" (Table 2); "Electric Energy Generated" compares with "Energy made Available" (Table 3), except for the latter part on the consumption of electricity which is found in "Disposal of Energy" (Table 4). "Customers at End of 1955" (Table 5) and "Domestic and Farm Service" (Table 7) are quite similar to their previous counterparts but with data on farm service compiled separately at the lower portion of Table 7. Data on transmission circuits of 6600 volts and over have been added to the statistics found before in "Pole Line Mileage" and are now in the table headed "Transmission and Distribution Lines" (Table 8). "Fuel Used to Generate Electricity" (Table 9) and "Employees, Wages and Salaries" (Table 11) are essentially the same as in previous reports. "Taxes" (Table 10), "Secondary Power for Use in Canada" (Table 12) and "Exports and Imports of Electricity" (Table 13) were formerly located in the text of central electric stations reports.

One major difference between the older "Revenue" table and the present one, "Revenue from Sales of Electricity" (Table 6), is that revenue from exports is now excluded from the large power item and shown separately and that various averages such as "average revenue per large power customer" have been dropped because of the limitations of their usefulness. In addition, line losses are not included in any calculation of average revenues per kilowatt hour, since we are only concerned with the consumptions of ultimate or final customers, the amounts of which were measured at the consumers' meters.

Apart from these changes there have been a number of other minor alterations made which will become apparent upon an examination of the tables.

Included in the text of this report are statistics covering a few stations concerned primarily with other industries, such as mining, manufacturing of pulp and paper, etc., which sell surplus power. For such plants the statistics pertaining to the central electric station phase of the industry have been segregated as far as possible. Equipment, which is not used primarily for the Central Electric Station Industry, is not shown in the current report.

Stations are allowed to file returns for their fiscal years, which are not calendar years in all cases. Consequently, the generation as recorded in this annual report will not coincide with that of the monthly reports which accumulate data on a calendar year basis. The various data, however, in the annual reports are for comparable periods. It should also be noted that the monthly reports do not include statistics for the smaller stations. Also, while the annual report excludes all power for company use, the monthly reports do not in all cases.

The total prime mover capacity in central electric stations registered an increase of 7.6 per cent from 1954, advancing 1,263,804 to 17,985,620 horse power. Prime mover here signifies water wheels and turbines, steam and internal combustion engines used to operate generators. The increase in total generator capacity was 7.2 per cent over the 1954 figure.

Generation by all reporting stations during 1955 totalled 72,910,592,000 kilowatt hours, of which 4,433,460,000 were exported to the United States. Imports amounted to 158,562,000 kilowatt hours, mainly into Ontario. Privately-operated stations generated 34,631,931,000 kilowatt hours compared with 33,383,202,000 in 1954, while publicly-operated stations accounted for 38,278,661,000 or 52.5 per cent of the national total against 49.4 per cent in the preceding year. New installations contributed to the general advance over 1954. Of the total Canadian output, 69,478,003,000 kilowatt hours or 95.3 per cent were produced from water power, whereas 3,432,589,000 kilowatt hours were produced by thermal power.

Total sales to ultimate customers in Canada continued to rise, going from 56,537,374,000 kilowatt hours in 1954 to 61,341,487,000 in 1955. Of this, sales to large power customers comprised 40,884,870,000 kilowatt hours or two-thirds of the total. In 1955, the total number of ultimate customers equalled 4,224,901 with domestic and farm

customers comprising 3,645,313 or 86.3 per cent of the total. The average annual consumption per domestic and farm customer varied widely between provinces. Manitoba led with a 1955 average of 5,420 kilowatt hours while New Brunswick and Prince Edward Island had the lowest averages. The growing use of electricity is illustrated by the considerable advance in the average kilowatt hours purchased per domestic and farm customer with the Canada total at 3,500 kilowatt hours for 1955 compared with 1,423 in 1939, a rise of nearly 146 per cent.

Farm customers added during 1955 equalled 30,560 while the total for 1955 at 441,694 was up over 7 per cent. Farm service was shown for Newfoundland for the first time, accounting for 704 of the total increase. The largest increase in farm customers was again in the Prairie Provinces. The drop in the number of large power customers is largely due to "ultimate" customers only being counted and not those which sold for resale as in previous years.

Revenue is gross revenue less cost of power purchased. It is the revenue received from consumers (excepting in the large power class, from which the cost of electric energy purchased is deducted). Where power is purchased by a station in one province from a station in another province, the cost of such power is not deducted in computing data, provincial or national. (In previous years, the inter-provincial purchases of power were not subtracted from the Canada total).

Further, the compilation of data on revenue received from the sale of electricity is not strictly parallel with that of previous years because of the use of the concept of "ultimate" customer. Inasmuch as export revenue is not revenue from ultimate customers in Canada, it has been excluded and shown separately. Therefore, earlier years have been accordingly revised in Table 1.

Revenues from domestic sales totalled \$211,533,000 in 1955, 383.0 per cent above the \$43,793,000 reported for 1939 and \$20,840,000 more than in 1954.

Average revenues per kilowatt hour sold are not always indicative of the relative costs for similar services. The averages for domestic and farm services and for commercial lighting are for more or less identical services for each station, but even here such factors as the use of electric stoves, space heaters, flat rate water heaters, the source of supply, the firm power load, the market for off-peak and surplus power and the cost of generation, transmission and distribution all affect the rates. Average domestic and farm service revenue per kilowatt hour in Canada was 1.66 cents in 1955, 12.6 per cent under the 1.9 cents per kilowatt hour received in 1939. Prince Edward Island, New

Brunswick, Saskatchewan and Alberta average revenues are affected by the higher costs of thermal generation from coal, etc., while the Manitoba revenue is lowest due to the widespread use of flat rate water heaters.

A comparison with other countries shows that Canadians enjoy one of the lowest rates per kilowatt hour in the world. In the United States the average revenue per kilowatt hour sold to residential or domestic customers averaged 2.64 cents in 1955 against 1.66 cents per kilowatt hour in Canada. Commercial and industrial sales in the United States averaged 1.3 cents per kilowatt hour compared with 0.7 cents for Canada.

The annual average bills registered moderate year to year increases over the past sixteen years. The 1955 average bill for domestic and farm service stood at \$58.03 against \$26.97 for 1939, an increase of 115 per cent, whereas consumption per customer rose 146 per cent. Provincial bills ranged from \$76.74 for British Columbia to \$45.36 for Quebec.

Provincial and municipal taxes on domestic bills, where imposed, have not been included as either revenue or expenses. In Quebec a 2 per cent provincial tax was in effect while in Newfoundland and Saskatchewan a sales tax of 3 per cent was collected. In British Columbia the sales tax was raised from 3 to 5 per cent on April 1, 1954. (For further details see "Cost of Electricity for Domestic Service, etc., 1955", published by D.B.S.).

Transmission and distribution lines (pole line mileage) continued to advance steadily, totalling 243,773 as compared with 228,158 miles in 1954.

The cost of Canadian bituminous and sub-bituminous coal comprised 43.2 per cent of the total fuel bill, while fuel oil and diesel oil accounted for 34.2 per cent and lignite coal, gasoline, gas, etc., the remainder. The cost of fuel consumed was \$17,077,823 compared with \$16,969,850 in 1954. All coal consumed cost an average of \$7.05 per ton. Natural gas used in Alberta increased 2,896,823,000 cu. ft. or by 33 per cent and in Saskatchewan increased by 863,425,000 cu. ft. or by 128.9 per cent. The amount of fuel oil used in 1955 was 61,121,699 gallons, an increase of 15,317,886 gallons or 33.4 per cent over 1954.

Total taxes paid by all central electric stations in Canada in 1955 amounted to \$56,507,000. Of this amount, over half was paid to the Federal Government while provincial and municipal governments shared the remainder almost equally. In cases where the station absorbed the sales taxes, such taxes are included. Water rentals are excluded. The Federal Unemployment Insurance Tax did not apply generally to utility employees until September 1, 1943. All stations did not include under taxes, the federal and provincial taxes on gasoline used by their vehicles, etc. It is common practice to treat sales

tax as part of the cost of the commodity. The federal tax included income and excess profits tax, tax on exports of electricity, and the two mentioned above. The greater part of the municipal tax paid by publicly-operated stations, was tax payments continued by the Provincial Commissions on plants acquired from privately-operated stations.

The number of employees excluding construction workers in the Central Electric Stations industry climbed from 33,762 in 1954 to 35,178 while wages and salaries rose from \$120,322,000 to \$128,370,000 at the same time.

Secondary power sold in Canada during 1955 amounted to 3,114,069,000 kilowatt hours, a small

decline from the previous year's total of 3,692,775,000. Secondary power is off-peak or surplus power delivered when available in contrast to primary power or "firm" power, delivered as agreed under contract.

In the following table statistics on the purchases and generation of power by industries for their own use are compiled from data made available from regular industrial reports to the Dominion Bureau of Statistics. "Other manufacturing" includes figures reported by 170 industries while "other industries" is computed by deduction. It should be noted that the data are for 1954, the latest year available.

Distribution and Consumption of Electric Energy Generated, 1954

(Thousands of kilowatt hours)

Industries	Central electric station power purchased	Power generated by industries for own use
Pulp and paper.....	11, 186, 717	4, 456, 098
Primary iron and steel	1, 387, 590	190, 972 ¹
Artificial abrasives and abrasive products	790, 158	—
Chemicals, industrial (acid, alkalis and salts)	2, 312, 329	105, 989
Metal, smelting and refining	12, 655, 206 ²	788, 870 ²
Other manufacturing	6, 962, 564 ²	1, 598, 458 ^{1, 2}
Total manufacturing	35, 294, 564²	7, 140, 387²
Mining	2, 731, 010	398, 488
Other industries.....	4, 594, 713	...
Domestic service (residential)	11, 280, 513	...
Commercial lighting	4, 210, 156	...
Municipal power.....	900, 779	...
Street lighting	406, 609	...
Free service.....	28, 549	...
Exports to U.S.A.	2, 718, 308	...
Losses	6, 771, 233	...
Total output of central electric stations	65, 936, 440	...

1. Not comparable with previous years.

2. An amount of 1,032,752 in other manufacturing and 35,000 in metal, smelting and refining shown as "power generated by industries for own use" has been treated as central electric station power purchased in D.B.S. reports on industries.

TABLE 1. Comparative Summary, 1939-1955

No.	All central electric stations	1955	1954	1953
Generating capacity (Table 2)				
1	Prime mover capacity—Hydraulic..... hp.	15,538,718	14,461,523	13,423,378
2	—Thermal..... "	2,446,902	2,260,293	2,237,659
3	Total prime mover capacity..... "	17,985,620	16,721,816	15,661,037
4	Generator capacity..... kva	14,914,640	13,916,763	13,083,874
Energy made available (Table 3)				
5	Generated—By hydro plants..... '000 kwh	69,478,003	62,572,316	58,926,462
6	—By thermal plants..... "	3,432,589	3,364,124	3,934,465
7	Total generated..... "	72,910,592	65,936,440	62,860,927
8	Imported from United States..... "	158,562	119,024	180,637
9	Exported to United States..... "	4,433,460	2,718,308	2,424,030
10	Total available for disposal in Canada..... "	68,635,694	63,337,156	60,617,534
Disposal of energy (Table 4)				
Sales to ultimate customers in Canada:				
11	Domestic and farm..... '000 kwh	12,759,657	11,280,513	9,877,727
12	Commercial..... "	4,703,909	4,210,156	3,881,423
13	Power—small..... "	1,659,350	964,320	900,375
14	—large..... "	40,884,870	38,774,997	38,328,924
15	—municipal..... "	871,979	900,779	815,083
16	Street lighting..... "	461,722	406,609	379,815
17	Total sales to ultimate customers..... "	61,341,487	56,537,374	54,183,347
18	Losses and unaccounted for..... "	7,294,207	6,799,782	6,434,187
19	Total disposed of in Canada..... "	68,635,694	63,337,156	60,617,534
Customers (Table 5)				
20	Domestic and farm.....	3,645,313	3,448,980	3,283,486
21	Commercial.....	481,934	459,561	443,993
22	Power—small.....	73,318	68,170	65,882
23	—large.....	18,695 ²	19,461	18,787
24	—municipal.....	1,258	1,223	1,222
25	Street lighting.....	4,383	4,231	4,085
26	Total ultimate customers in Canada.....	4,224,901²	4,001,626	3,817,455
Revenue from sale of electricity (Table 6)				
27	Domestic and farm..... \$'000	211,533	190,693	168,271
28	Commercial..... "	97,095	88,911	80,686
29	Power—small.....	23,764	20,611	19,946
30	—large.....	199,542 ³	181,647 ⁴	176,956 ⁴
31	—municipal.....	6,313	6,593	5,901
32	Street lighting.....	10,410	9,651	8,944
33	Total revenue from ultimate customers in Canada.....	548,657³	498,106⁴	460,704⁴
34	Revenue from exports to United States..... "	11,726	7,420	8,343
Transmission and distribution lines (Table 8)				
35	Total transmission and distribution lines..... miles	243,773	228,158	213,176
Employees, wages and salaries (Table 11)				
36	Total employees (excluding construction)..... No.	35,178	33,762	49,169
37	Total wages and salaries (excluding construction)..... \$'000	128,370	120,322	115,652

1. Data on municipal power was not collected until 1946.

2. Not comparable with previous years, since customers prior to 1955 included those which purchased for resale. By including the "non-ultimate" large power customers, the totals for large power customers would be 19,319.

TABLE 1 Comparative Summary, 1939-1955

1952	1951	1950	1949	1948	1945	1939	No.
12,550,838	11,787,039	11,029,799	9,973,405	9,470,306	9,216,564	7,240,983	1
1,670,968	1,243,553	946,442	909,871	749,290	623,695	560,278	2
14,221,806	13,030,592	11,976,241	10,883,276	10,219,596	9,840,259	7,801,261	3
11,149,048	10,564,161	9,725,393	8,890,292	8,379,039	8,035,767	6,435,416	4
57,023,530	52,955,002	46,624,218	42,779,199	41,070,095	39,131,020	27,829,017	5
2,385,668	1,896,842	1,869,500	1,639,374	1,319,586	999,034	509,013	6
59,409,198	54,851,844	48,493,718	44,418,573	42,389,681	40,130,054	28,338,030	7
19,985	8,956	2,591	31,205	86,391	15,916	666	8
2,493,210	2,375,522	1,925,867	1,756,752	1,743,108	2,646,435	1,908,756	9
56,935,973	52,485,278	46,570,442	42,693,026	40,732,964	37,499,535	26,429,940	10
8,741,182	7,726,114	6,750,303	5,678,847	4,984,280	3,365,498	2,310,891	11
3,489,248	3,152,501	2,809,459	2,409,203	2,154,853	1,613,733	1,109,008	12
792,646	1,041,020	791,959	748,720	680,986	640,674	535,647	13
36,759,550	33,670,927	30,133,617	28,169,721	27,412,538	28,083,248	19,260,077	14
796,117	795,233	781,547	745,871	710,815	1	1	15
348,246	320,722	303,276	285,136	263,639	226,218	204,088	16
50,926,989	46,706,517	41,570,161	38,037,498	36,207,111	33,929,371	23,419,711	17
6,008,984	5,778,761	5,000,281	4,655,528	4,525,853	3,570,164	3,010,229	18
56,935,973	52,485,278	46,570,442	42,693,026	40,732,964	37,499,535	26,429,940	19
3,112,306	2,951,988	2,797,378	2,619,831	2,393,847	1,987,360	1,623,672	20
422,428	405,332	392,530	379,526	349,673	285,402	262,590	21
62,660	61,322	60,700	58,600	56,210	46,955	43,896	22
18,194	16,360	14,708	14,208	13,305	10,955	9,267	23
1,147	1,091	1,013	964	890	1	1	24
3,860	3,657	3,495	3,240	3,102	2,558	2,238	25
3,620,595	3,439,750	3,269,824	3,076,369	2,822,027	2,333,230	1,941,663	26
144,650	127,660	109,015	90,303	79,920	55,736	43,794	27
71,535	64,351	57,367	49,075	42,869	32,911	25,741	28
16,268	17,065	15,367	14,058	12,920	10,948	9,789	29
160,764 ⁴	145,257 ⁴	124,297 ⁴	111,461 ⁴	107,181 ⁴	102,907 ⁴	63,325 ⁴	30
5,224	5,072	4,872	4,476	4,448	1	1	31
7,879	7,300	6,813	6,095	5,663	5,029	4,915	32
406,320⁴	366,705⁴	317,731⁴	275,468⁴	253,001⁴	207,531⁴	147,564⁴	33
9,174	7,938	6,102	4,844	4,376	7,574	4,317	34
190,316	170,582	151,726	135,329	113,411	83,178	72,132	35
47,238	47,467	46,193	31,746	29,349	21,283	18,848	36
152,383	135,704 ^{4,5}	117,547 ^{4,5}	78,273	68,765	39,521	28,223	37

3. Not comparable with previous years, since cost of Inter-Provincial imports of power is included. By subtracting this cost, large power revenue would be \$185,425,000.

4. Revised, to exclude exports.

5. Revised.

TABLE 2. Generating Capacity at End of 1955

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia
	All central electric stations:				
	Prime mover capacity:				
1	Hydraulic h.p.	15, 538, 718	245, 650	369	155, 605
	Thermal:				
2	Steam engines and turbines h.p.	2, 234, 545	—	16, 755	296, 481
3	Internal combustion engines h.p.	212, 357	6, 911	4, 415	6, 311
4	Total thermal h.p.	2, 446, 902	6, 911	21, 170	302, 792
5	Total prime mover capacity h.p.	17, 985, 620	252, 561	21, 539	458, 397
6	Per cent of total for Canada %	100. 00	1. 40	0. 12	2. 55
7	Total generator capacity kva	14, 914, 640	201, 230	17, 245	383, 772
8	Per cent of total for Canada %	100. 00	1. 35	0. 12	2. 57
	Publicly-operated stations:				
	Prime mover capacity:				
9	Hydraulic h.p.	7, 613, 957	—	—	104, 550
	Thermal:				
10	Steam engines and turbines h.p.	1, 740, 651	—	—	34, 026
11	Internal combustion engines h.p.	142, 561	2, 264	4, 190	3, 096
12	Total thermal h.p.	1, 883, 212	2, 264	4, 190	37, 122
13	Total prime mover capacity h.p.	9, 497, 169	2, 264	4, 190	141, 672
14	Per cent of total for Canada %	100. 00	0. 02	0. 04	1. 49
15	Total generator capacity kva	7, 782, 497	1, 636	3, 601	122, 480
16	Per cent of total for Canada %	100. 00	0. 02	0. 05	1. 58
	Privately-operated stations:				
	Prime mover capacity:				
17	Hydraulic h.p.	7, 924, 761	245, 650	369	51, 055
	Thermal:				
18	Steam engines and turbines h.p.	493, 894	—	16, 755	262, 455
19	Internal combustion engines h.p.	69, 796	4, 647	225	3, 215
20	Total thermal h.p.	563, 690	4, 647	16, 980	265, 670
21	Total prime mover capacity h.p.	8, 488, 451	250, 297	17, 349	316, 725
22	Per cent of total for Canada %	100. 00	2. 95	0. 20	3. 73
23	Total generator capacity kva	7, 132, 143	199, 594	13, 644	261, 292
24	Per cent of total for Canada %	100. 00	2. 80	0. 19	3. 67

TABLE 2. Generating Capacity at End of 1955

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
133,600	7,587,033	5,124,756	795,000	106,500	297,850	1,076,815	15,540	1
111,700	36,374	980,070	69,480	370,794	317,161	35,570	160	2
12,051	22,388	12,097	1,910	51,138	23,803	68,651	2,682	3
123,751	58,762	992,167	71,390	421,932	340,964	104,221	2,842	4
257,351	7,645,795	6,116,923	866,390	528,432	638,814	1,181,036	18,382	5
1.43	42.51	34.01	4.82	2.94	3.55	6.57	0.10	6
227,383	6,553,927	4,843,161	675,551	456,309	530,497	1,009,690	15,875	7
1.52	43.94	32.47	4.53	3.06	3.56	6.77	0.11	8
39,600	1,796,035	4,606,077	788,000	—	—	268,345	11,350	9
101,925	32,724	930,300	69,480	322,796	249,400	—	—	10
10,011	3,240	8,711	1,270	49,585	1,975	57,174	1,045	11
111,936	35,964	939,011	70,750	372,381	251,375	57,174	1,045	12
151,536	1,831,999	5,545,088	858,750	372,381	251,375	325,519	12,395	13
1.60	19.29	58.39	9.04	3.92	2.65	3.43	0.13	14
134,873	1,656,401	4,362,260	669,551	323,594	215,742	281,497	10,862	15
1.73	21.28	56.05	8.60	4.16	2.77	3.62	0.14	16
94,000	5,790,998	518,679	7,000	106,500	297,850	808,470	4,190	17
9,775	3,650	49,770	—	47,998	67,761	35,570	160	18
2,040	19,148	3,386	640	1,553	21,828	11,477	1,637	19
11,815	22,798	53,156	640	49,551	89,589	47,047	1,797	20
105,815	5,813,796	571,835	7,640	156,051	387,439	855,517	5,987	21
1.25	68.49	6.74	0.09	1.84	4.56	10.08	0.07	22
92,510	4,897,526	480,901	6,000	132,715	314,755	728,193	5,013	23
1.30	68.67	6.74	0.09	1.86	4.41	10.21	0.07	24

TABLE 3. Energy Made Available, 1955

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		(Thousands of kilowatt-hours)			
	All central electric stations:				
	Generated:				
1	By hydro plants.....	69,478,003	704,797	545	500,859
	By thermal plants:				
2	Steam engines and turbines.....	3,102,989	—	38,568	701,882
3	Internal combustion engines	329,600	6,658	7,317	2,663
4	Total thermal.....	3,432,589	6,658	45,885	704,545
5	Total generated.....	72,910,592	711,455	46,430	1,205,404
	Imported:				
6	From other provinces	5,358,157	—	—	—
7	From United States.....	158,562	—	—	—
8	Total imported.....	5,516,719	—	—	—
	Exported:				
9	To other provinces	5,358,157	—	—	7,911
10	To United States.....	4,433,460	—	—	—
11	Total exported.....	9,791,617	—	—	7,911
12	Total available for disposal in Canada.....	68,635,694	711,455	46,430	1,197,493
13	Per cent of total for Canada	100.00	1.04	0.07	1.74
	Publicly-operated stations ² :				
	Generated:				
14	By hydro plants.....	35,870,097	—	—	361,082
	By thermal plants:				
15	Steam engines and turbines.....	2,157,859	—	—	105,548
16	Internal combustion engines	250,705	4,979	7,315	2,663
17	Total thermal.....	2,408,564	4,979	7,315	108,211
18	Total generated	38,278,661	4,979	7,315	469,293
	Imported:				
19	From other provinces	3,841,491	—	—	—
20	From United States.....	134,442	—	—	—
21	Total imported.....	3,975,933	—	—	—
	Exported:				
22	To other provinces	2,102,026	—	—	—
23	To United States.....	3,203,660	—	—	—
24	Total exported.....	5,305,686	—	—	—
	Privately-operated stations ² :				
	Generated:				
25	By hydro plants.....	33,607,906	704,797	545	139,777
	By thermal plants:				
26	Steam engines and turbines.....	945,130	—	38,568	596,334
27	Internal combustion engines	78,895	1,679	2	—
28	Total thermal.....	1,024,025	1,679	38,570	596,334
29	Total generated.....	34,631,931	706,476	39,115	736,111
	Imported:				
30	From other provinces	1,516,666	—	—	—
31	From United States.....	24,120	—	—	—
32	Total imported.....	1,540,786	—	—	—
	Exported:				
33	To other provinces	3,256,131	—	—	7,911
34	To United States.....	1,229,800	—	—	—
35	Total exported.....	4,485,931	—	—	7,911

1. Ontario is credited with exports of 630,627,000 kwh to the United States which were originally purchased from Quebec.

TABLE 3. Energy Made Available, 1955

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
(Thousands of kilowatt-hours)								
517,098	35,330,565	23,914,057	3,099,880	569,401	935,943	3,835,417	69,441	1
341,201	2,195	425,942	1,307	792,209	762,655	37,030	—	2
14,557	27,376	10,111	2,749	120,211	30,356	104,343	3,259	3
355,758	29,571	436,053	4,056	912,420	793,011	141,373	3,259	4
872,856	35,360,136	24,350,110	3,103,936	1,481,821	1,728,954	3,976,790	72,700	5
18,470	10,574	4,770,648	524,890	1,772	31,803	—	—	6
3	1,034	133,494	993	232	573	22,233	—	7
18,473	11,608	4,904,142	525,883	2,004	32,376	22,233	—	8
—	4,781,207	10,574	1,772	524,890	—	31,803	—	9
32,889	34,892 ¹	4,218,865 ¹	6	—	—	146,808	—	10
32,889	4,816,099	4,229,439	1,778	524,890	—	178,611	—	11
858,440	30,555,645	25,024,813	3,628,041	958,935	1,761,330	3,820,412	72,700	12
1.25	44.52	36.46	5.28	1.40	2.57	5.57	0.10	13
98,949	9,073,645	22,265,477	3,098,645	—	—	915,560	56,739	14
329,441	—	399,214	1,307	688,996	633,282	71	—	15
13,075	4,750	4,405	2,749	118,374	2,301	89,124	970	16
342,516	4,750	403,619	4,056	807,370	635,583	89,195	970	17
441,465	9,078,395	22,669,096	3,102,701	807,370	635,583	1,004,755	57,709	18
10,559	—	3,830,932	—	—	—	—	—	19
—	—	133,449	993	—	—	—	—	20
10,559	—	3,964,381	993	—	—	—	—	21
—	2,091,452	10,574	—	—	—	—	—	22
29	1	3,203,625	6	—	—	—	—	23
29	2,091,452	3,214,199	6	—	—	—	—	24
418,149	26,256,920	1,648,580	1,235	569,401	935,943	2,919,857	12,702	25
11,760	2,195	26,728	—	103,213	129,373	36,959	—	26
1,482	22,626	5,706	—	1,837	28,055	15,219	2,289	27
13,242	24,821	32,434	—	105,050	157,428	52,178	2,289	28
431,391	26,281,741	1,681,014	1,235	674,451	1,093,371	2,972,035	14,991	29
7,911	10,574	939,716	524,890	1,772	31,803	—	—	30
3	1,034	45	—	232	573	22,233	—	31
7,914	11,608	939,761	524,890	2,004	32,376	22,233	—	32
—	2,689,755	—	1,772	524,890	—	31,803	—	33
32,860	34,892	1,015,240 ¹	—	—	—	146,808	—	34
32,860	2,724,647	1,015,240	1,772	524,890	—	178,611	—	35

2. Data on interchanges of electricity between publicly-operated and privately-operated stations within provinces are not available.

TABLE 4. Disposal of Energy, 1955

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		(Thousands of kilowatt-hours)			
	All central electric stations:				
	To ultimate customers in Canada:				
1	Domestic and farm ¹	12,759,657	103,400	15,789	281,846
2	Commercial	4,703,909	29,271	12,420	102,862
3	Power — small	1,659,350	12,063	652	49,116
4	large	40,884,870	485,300	8,625	601,251
5	municipal	871,979	1,342	863	5,459
6	Street lighting	461,722	4,411	785	10,054
7	Total sales to ultimate customers	61,341,487	635,787	39,134	1,050,588
8	Losses and unaccounted for	7,294,207	75,668	7,296	146,905
9	Total disposed of in Canada	68,635,694	711,455	46,430	1,197,493
10	Per cent of total for Canada	100.00	1.04	0.07	1.74
	Energy Exported:				
11	To other provinces	5,358,157	—	—	7,911
12	To United States	4,433,460	—	—	—
13	Total energy exported	9,791,617	—	—	7,911
	Publicly-operated stations:				
	To ultimate customers in Canada:				
14	Domestic and farm ¹	9,603,723	2,736	3,083	77,551
15	Commercial	3,584,400	660	1,368	29,336
16	Power — small	1,333,328	1,301	620	13,457
17	large	16,638,159	106	162	289,106
18	municipal	803,261	30	293	2,772
19	Street lighting	351,944	93	178	3,507
20	Total sales to ultimate customers	32,314,815	4,926	5,704	415,729
21	Losses and unaccounted for	4,634,093	53	1,611	53,564
22	Total disposed of in Canada	36,948,908	4,979	7,315	469,293
23	Per cent of total for Canada	100.00	0.01	0.02	1.27
	Energy exported:				
24	To other provinces	2,102,026	—	—	—
25	To United States	3,203,660	—	—	—
26	Total energy exported	5,305,686	—	—	—
	Privately-operated stations:				
	To ultimate customers in Canada:				
27	Domestic and farm ¹	3,155,934	100,664	12,706	204,295
28	Commercial	1,119,509	28,611	11,052	73,526
29	Power — small	326,022	10,762	32	35,659
30	large	24,246,711	485,194	8,463	312,145
31	municipal	68,718	1,312	570	2,687
32	Street lighting	109,778	4,318	607	6,547
33	Total sales to ultimate customers	29,026,672	630,861	33,430	634,859
34	Losses and unaccounted for	2,660,114	75,615	5,685	93,341
35	Total disposed of in Canada	31,686,786	706,476	39,115	728,200
36	Per cent of total for Canada	100.00	2.23	0.12	2.30
	Energy exported:				
37	To other provinces	3,256,131	—	—	7,911
38	To United States	1,229,800	—	—	—
39	Total energy exported	4,485,931	—	—	7,911

1. Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 4. Disposal of Energy, 1955

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
(Thousands of kilowatt-hours)								
171,052	2,689,760	6,360,522	1,079,155	373,822	418,970	1,256,002	9,339	1
78,425	1,196,118	2,145,430	264,359	146,878	215,617	510,228	2,301	2
46,001	209,485	796,623	195,103	70,014	152,001	128,106	186	3
495,441	23,826,882	11,737,261	1,484,096	184,654	660,546	1,343,306	57,508	4
3,368	227,826	473,872	114,647	11,689	28,251	4,635	27	5
9,698	97,273	200,000	29,888	19,169	45,640	44,592	212	6
803,985	28,247,344	21,713,708	3,167,248	806,226	1,521,025	3,286,869	69,573	7
54,455	2,308,301	3,311,105	460,793	152,709	240,305	533,543	3,127	8
858,440	30,555,645	25,024,813	3,628,041	958,935	1,761,330	3,820,412	72,700	9
1.25	44.52	36.46	5.28	1.40	2.57	5.57	0.10	10
—	4,781,207	10,574	1,772	524,890	—	31,803	—	11
32,889	34,892	4,218,865	6	—	—	146,808	—	12
32,889	4,816,099	4,229,439	1,778	524,890	—	178,611	—	13
120,275	1,334,804	6,210,593	1,045,116	331,600	223,434	254,158	373	14
45,056	739,997	2,101,975	255,050	126,749	156,218	127,511	480	15
38,091	117,405	789,876	194,868	60,082	76,570	40,921	137	16
199,847	3,903,831	10,542,642	1,010,094	138,098	52,540	447,443	54,290	17
2,448	172,500	470,682	113,602	11,689	26,504	2,714	27	18
6,407	52,894	194,463	28,451	14,680	38,668	12,596	7	19
412,124	6,321,431	20,310,231	2,647,181	682,898	573,934	885,343	55,314	20
39,871	665,512	3,109,047	456,507	124,472	61,649	119,412	2,395	21
451,995	6,986,943	23,419,278	3,103,688	807,370	635,583	1,004,755	57,709	22
1.22	18.91	63.38	8.40	2.19	1.72	2.72	0.16	23
—	2,091,452	10,574	—	—	—	—	—	24
29	—	3,203,625	6	—	—	—	—	25
29	2,091,452	3,214,199	6	—	—	—	—	26
50,777	1,354,956	149,929	34,039	42,222	195,536	1,001,844	8,966	27
33,369	456,121	43,455	9,309	20,129	59,399	382,717	1,821	28
7,910	92,080	6,747	235	9,932	75,431	87,185	49	29
295,594	19,923,051	1,194,619	474,002	46,556	608,006	895,863	3,218	30
920	55,326	3,190	1,045	—	1,747	1,921	—	31
3,291	44,379	5,537	1,437	4,489	6,972	31,996	205	32
391,861	21,925,913	1,403,477	520,067	123,328	947,091	2,401,526	14,259	33
14,584	1,642,789	202,058	4,286	28,237	178,656	414,131	732	34
406,445	23,568,702	1,605,535	524,353	151,565	1,125,747	2,815,657	14,991	35
1.28	74.38	5.07	1.65	0.48	3.55	8.89	0.05	36
—	2,689,755	—	1,772	524,890	—	31,803	—	37
32,860	34,892	1,015,240	—	—	—	146,808	—	38
32,860	2,724,647	1,013,240	1,772	524,890	—	178,611	—	39

TABLE 5. Customers at End of 1955

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	All central electric stations:				
	Ultimate customers in Canada:				
1	Domestic and farm ¹	3,645,313	46,475	13,205	150,727
2	Commercial	481,934	4,887	2,618	19,877
3	Power — small	73,318	576	58	4,882
4	— large	18,695 ²	62	20	334
5	— municipal	1,258	2	6	19
6	Street lighting	4,383	20	20	115
7	Total ultimate customers	4,224,901	52,022	15,927	175,954
8	Per cent of total for Canada	100.00	1.23	0.38	4.16
	Average annual consumption per customer:				
9	Domestic and farm kwh	3,500	2,225	1,196	1,870
10	Commercial "	9,760	5,990	4,744	5,175
	Publicly-operated stations:				
	Ultimate customers in Canada:				
11	Domestic and farm ¹	2,523,231	1,173	2,882	56,885
12	Commercial	332,981	138	293	8,310
13	Power — small	50,815	51	54	1,291
14	— large	12,655 ²	3	6	149
15	— municipal	739	1	1	13
16	Street lighting	2,263	2	1	57
17	Total ultimate customers	2,922,684	1,368	3,237	66,705
18	Per cent of total for Canada	100.00	0.05	0.11	2.28
	Privately-operated stations:				
	Ultimate customers in Canada:				
19	Domestic and farm ¹	1,122,082	45,302	10,323	93,842
20	Commercial	148,953	4,749	2,325	11,567
21	Power — small	22,503	525	4	3,591
22	— large	6,040 ²	59	14	185
23	— municipal	519	1	5	6
24	Street lighting	2,120	18	19	58
25	Total ultimate customers	1,302,217	50,654	12,690	109,249
26	Per cent of total for Canada	100.00	3.89	0.97	8.39

1. Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

2. Data on large power customers not strictly comparable with previous years, since those which are not "ultimate", i.e. those which purchased for resale, have been excluded in 1955. By including the "non-ultimate" large power customers, the Canada totals for this category would be as follows: All Central Electric Stations — 19,319; Publicly-Operated Stations — 13,093; Privately-Operated Stations — 6,226.

TABLE 5. Customers at End of 1955

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
117,926	987,377	1,417,687	199,111	150,561	212,172	347,417	2,655	1
12,914	121,506	168,346	28,760	28,884	38,876	54,848	418	2
1,733	14,420	19,596	9,560	4,355	11,474	6,647	17	3
183	2,614	4,926	5,201	539	3,289	1,407	120	4
20	300	599	9	17	260	21	5	5
103	1,580	745	523	657	436	178	6	6
132,879	1,127,797	1,611,899	243,164	185,013	266,507	410,518	3,221	7
3.14	26.69	38.15	5.76	4.38	6.31	9.72	0.08	8
1,451	2,724	4,487	5,420	2,483	1,975	3,615	3,518	9
6,073	9,844	12,744	9,192	5,085	5,546	9,303	5,505	10
93,677	448,985	1,383,615	195,737	140,283	118,557	81,284	153	11
9,497	58,918	164,377	28,450	27,555	21,963	13,432	48	12
1,360	7,542	19,321	9,513	4,027	5,772	1,881	3	13
137	1,019	4,823	5,198	530	572	213	5	14
16	64	593	7	17	11	14	2	15
84	136	708	518	635	14	107	1	16
104,771	516,664	1,573,437	239,423	173,047	146,889	96,931	212	17
3.58	17.68	53.83	8.19	5.92	5.03	3.32	0.01	18
24,249	538,392	34,072	3,374	10,278	93,615	266,133	2,502	19
3,417	62,588	3,969	310	1,329	16,913	41,416	370	20
373	6,878	275	47	328	5,702	4,766	14	21
46	1,595	103	3	9	2,717	1,194	115	22
4	236	6	2	—	249	7	3	23
19	1,444	37	5	22	422	71	5	24
28,108	611,133	38,462	3,741	11,966	119,618	313,587	3,009	25
2.16	46.93	2.95	0.29	0.92	9.19	24.08	0.23	26

TABLE 6. Revenue from Sale of Electricity, 1955

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia
	All central electric stations:				
	Revenue from ultimate customers in Canada:				
1	Domestic and farm ¹ \$'000	211,533	2,515	887	7,909
2	Commercial "	97,095	906	569	3,892
3	Power—small "	23,764	421	25	1,360
4	—large ² "	199,542 ³	2,838	213	7,207
5	—municipal "	6,313	6	26	79
6	Street lighting "	10,410	105	37	362
7	Total from ultimate customers² "	548,657³	6,791	1,757	20,809
8	Per cent of total for Canada %	100.00	1.24	0.32	3.79
	Revenue from exports:				
9	To other provinces \$'000	14,145	—	—	151
10	To United States "	11,726	—	—	—
	Average revenue per kilowatt-hour:				
11	Domestic and farm ¢	1.66	2.43	5.62	2.81
12	Commercial ¢	2.06	3.10	4.58	3.78
13	All ultimate customers in Canada ¢	0.89	1.07	4.49	1.98
	Average annual revenue per customer:				
14	Domestic and farm \$	58.03	54.12	67.17	52.47
15	Commercial \$	201.47	185.39	217.34	195.80
	Publicly-operated stations:				
	Revenue from ultimate customers in Canada:				
16	Domestic and farm ¹ \$'000	146,126	84	198	2,559
17	Commercial "	66,456	33	77	1,081
18	Power—small "	15,996	53	22	451
19	—large ² "	105,938 ³	6	34	2,220
20	—municipal "	5,611	2	6	40
21	Street lighting "	7,448	1	4	106
22	Total from ultimate customers² "	347,575³	179	341	6,457
23	Per cent of total for Canada %	100.00	0.05	0.10	1.86
	Revenue from exports:				
24	To other provinces \$'000	4,921	—	—	—
25	To United States "	7,976	—	—	—
	Privately-Operated stations:				
	Revenue from ultimate customers in Canada:				
26	Domestic and farm ¹ \$'000	65,407	2,431	689	5,350
27	Commercial "	30,639	873	492	2,811
28	Power—small "	7,768	368	3	909
29	—large ² "	93,604 ³	2,832	179	4,987
30	—municipal "	702	4	20	39
31	Street lighting "	2,962	104	33	256
32	Total from ultimate customers² "	201,082³	6,612	1,416	14,352
33	Per cent of total for Canada %	100.00	3.29	0.71	7.14
	Revenue from exports:				
34	To other provinces \$'000	9,224	—	—	151
35	To United States "	3,750	—	—	—

1. Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

2. Gross revenue less cost of power interchanged between stations.

3. Cost of provincial interchanges of power not subtracted from national figures, as in previous reports; also, revenue from exports now excluded from all large power figures. Excluding cost of inter-provincial imports, national totals for large power would be as follows: All central electric stations—\$185,425,000; Publicly-operated stations—\$95,494,000; Privately-operated stations—\$89,931,000.

TABLE 6. Revenue from Sale of Electricity, 1955

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
6,630	44,791	86,884	12,736	10,969	11,074	26,662	476	1
2,457	22,849	34,123	4,868	5,169	7,855	14,252	155	2
1,266	4,234	6,580	1,790	1,788	3,746	2,540	14	3
3,647	82,412	75,747	5,587	2,823	6,856	11,341	871	4
68	1,459	4,017	178	130	269	78	3	5
326	2,125	4,780	493	508	762	901	11	6
14,394	157,870	212,131	25,652	21,387	30,562	55,774	1,530	7
2.62	28.77	38.66	4.68	3.90	5.57	10.17	0.28	8
—	12,509 ⁴	108	28	1,270	—	79	—	9
222	220 ⁴	10,749 ⁴	5	—	—	535	—	10
3.88	1.67	1.37	1.18	2.93	2.64	2.12	5.10	11
3.13	1.91	1.59	1.84	3.52	3.64	2.79	7.00	12
1.79	0.56	0.98	0.81	2.65	2.01	1.70	2.20	13
56.22	45.36	61.29	63.96	72.85	52.19	76.74	179.28	14
190.26	188.05	202.70	169.26	178.96	202.05	259.85	385.17	15
5,073	19,399	85,022	12,266	10,207	5,303	5,991	24	16
1,418	12,891	33,408	4,703	4,820	4,594	3,394	37	17
1,046	2,307	6,453	1,778	1,577	1,326	970	13	18
3,237	20,787	69,826	4,661	2,215	280	1,802	870	19
48	966	3,994	169	130	196	57	3	20
193	791	4,699	480	472	436	265	1	21
11,015	57,141	203,402	24,057	19,421	12,135	12,479	948	22
3.17	16.44	58.52	6.92	5.59	3.49	3.59	0.27	23
—	4,813 ⁴	108	—	—	—	—	—	24
1	4	7,975	5	—	—	—	—	25
1,557	25,392	1,862	470	762	5,771	20,671	452	26
1,039	9,958	715	165	349	3,261	10,858	118	27
220	1,927	127	12	211	2,420	1,570	1	28
410	61,625	5,921	926	608	6,576	9,539	1	29
20	493	23	9	—	73	21	—	30
133	1,334	81	13	36	326	636	10	31
3,379	100,729	8,729	1,595	1,966	18,427	43,295	582	32
1.68	50.09	4.34	0.79	0.98	9.16	21.53	0.29	33
—	7,696	—	28	1,270	—	79	—	34
221	220	2,774 ⁴	—	—	—	535	—	35

4. Ontario received \$1,526,000 for exports to the United States which were originally purchased from Quebec.

5. Revenue less than \$1,000.

TABLE 7. Domestic and Farm Service, 1939-1955¹

No.			Canada	Newfoundland	Prince Edward Island	Nova Scotia
	All central electric stations:					
	Number of customers:					
1	1939	—	1,623,672	2	5,067	62,034
2	1945	—	1,987,360	2	6,387	84,011
3	1954	—	3,448,980	44,199	12,252	146,651
4	1955	—	3,645,313	46,475	13,205	150,727
	Kilowatt-hours sold:					
5	1939	'000 kwh	2,310,891	2	2,908	39,084
6	1945	"	3,365,497	2	5,217	70,099
7	1954	"	11,280,513	87,089	14,053	248,343
8	1955	"	12,759,657	103,400	15,789	281,846
	Revenue received:					
9	1939	\$'000	43,793	2	163	1,709
10	1945	"	55,736	2	239	2,286
11	1954	"	190,693	1,997	813	7,025
12	1955	"	211,533	2,515	887	7,909
	Kilowatt-hours per customer:					
13	1939	kwh	1,423	2	574	630
14	1945	"	1,693	2	817	834
15	1954	"	3,271	1,970	1,147	1,693
16	1955	"	3,500	2,225	1,196	1,870
	Average annual bill:					
17	1939	\$	26.97	2	32.21	27.56
18	1945	\$	28.05	2	37.35	27.21
19	1954	\$	55.29	45.18	66.39	47.90
20	1955	\$	58.03	54.12	67.17	52.47
	Revenue per kilowatt-hour:					
21	1939	¢	1.90	2	5.61	4.37
22	1945	¢	1.66	2	4.57	3.26
23	1954	¢	1.69	2.29	5.79	2.83
24	1955	¢	1.66	2.43	5.62	2.81
	Farm service, 1955 ¹ :					
25	Customers	—	441,694	704	5,420	23,714
26	Kilowatt-hours sold	'000 kwh	1,238,061	1,039	4,889	20,164
27	Revenue received	\$'000	31,739	41	383	942
28	Kilowatt-hours per customer	kwh	2,803	1,476	902	850
29	Average annual bill	\$	71.86	58.24	70.66	39.72
30	Revenue per kilowatt-hour	¢	2.56	3.95	7.83	4.67

1. Many utilities cannot distinguish between domestic and farm, as they do not keep separate records. At the bottom of the page, however, farm figures are tabulated as reported.

TABLE 7. Domestic and Farm Service, 1939-1955¹

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
46,485	434,825	719,871	81,091	49,980	68,267	156,052	2	i
62,175	558,865	839,968	94,673	61,285	87,005	192,991	2	2
113,483	945,172	1,335,534	191,834	136,386	190,678	330,461	2,330	3
117,926	987,377	1,417,687	199,111	150,561	212,172	347,417	2,655	4
26,989	311,420	1,374,325	320,827	41,198	42,210	151,930	2	5
45,958	507,274	1,963,043	416,499	58,402	63,962	235,043	2	6
153,212	2,342,693	5,722,569	1,003,027	282,542	355,643	1,063,647	7,695	7
171,052	2,689,760	6,360,522	1,079,155	373,822	418,970	1,256,002	9,339	8
1,308	9,167	19,658	3,312	2,904	2,145	4,327	2	9
1,883	11,926	23,699	4,238	2,566	2,932	5,967	2	10
6,035	39,989	79,087	12,542	9,570	9,764	23,484	387	11
6,630	44,791	86,884	12,736	10,969	11,074	26,662	476	12
581	716	1,909	3,956	824	618	974	2	13
739	908	2,337	4,399	953	735	1,218	2	14
1,350	2,479	4,285	5,229	2,072	1,865	3,219	3,303	15
1,451	2,724	4,487	5,420	2,483	1,975	3,615	3,518	16
28.13	21.08	27.31	40.84	40.10	31.42	27.73	2	17
30.29	21.34	28.21	44.76	41.87	33.70	30.92	2	18
53.18	42.31	59.22	65.38	70.17	51.21	71.07	165.96	19
56.22	45.36	61.29	63.96	72.85	52.19	76.74	179.28	20
4.85	2.94	1.43	1.03	4.87	5.08	2.85	2	21
4.10	2.35	1.21	1.02	4.39	4.59	2.54	2	22
3.94	1.71	1.38	1.25	3.39	2.75	2.21	5.03	23
3.88	1.67	1.37	1.18	2.93	2.64	2.12	5.10	24
39,786	104,357	144,498	38,277	28,993	31,619	24,326	—	25
39,542	172,806	621,564	136,410	59,564	91,138	90,945	—	26
2,257	4,872	13,386	3,071	2,780	2,153	1,854	—	27
994	1,656	4,302	3,564	2,054	2,882	3,739	—	28
56.73	46.69	92.64	80.23	95.89	68.09	76.21	—	29
5.71	2.82	2.15	2.25	4.67	2.36	2.04	—	30

2. Data not available.

TABLE 8. Transmission and Distribution Lines, 1955

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
1	All central electric stations:				
	Miles of transmission and distribution line:				
1	Steel towers	9,270	64	—	24
2	Steel poles	255	61	—	2
3	Wood poles	230,260	2,011	923	9,964
4	Concrete poles	546	10	—	—
5	Cable (underground and submarine).....	3,442	9	—	30
6	Total line mileage	243,773	2,155	923	10,020
7	Per cent of total for Canada.....	100.00	0.88	0.38	4.11
	Miles of transmission circuits:				
8	6,600 - 21,999 volts	56,778	1,287	166	3,666
9	22,000 - 43,999 volts	17,873	310	—	761
10	44,000 - 109,999 volts	12,265	282	—	455
11	110,000 - 219,999 volts	10,695	—	—	55
12	220,000 volts and over	4,130	—	—	—
13	Total transmission circuit mileage	101,741	1,879	166	4,937
14	Per cent of total for Canada.....	100.00	1.85	0.16	4.85

TABLE 9. Fuel Used to Generate Electricity, 1955

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	All central electric stations:				
	Quantity of fuel:				
1	Bituminous coal—Canadian short tons	920,869 ¹	—	—	422,596
2	—imported..... “ “	217,095	—	—	—
3	Lignite coal (Saskatchewan) “ “	201,538	—	—	—
4	Fuel oil imp. gal.	61,121,699	497,865	4,120,848	1,761,020
5	Gas—natural..... '000 cu. ft.	13,402,218	—	—	—
6	—manufactured “ “	1,112,710	90	—	1,112,028
7	Gasoline imp. gal.	30,087	90	—	—
	Cost of fuel:				
8	Bituminous coal—Canadian \$	7,371,575 ¹	—	—	4,274,857
9	—imported..... \$	1,749,499	—	—	—
10	Lignite coal (Saskatchewan) \$	327,926	—	—	—
11	Fuel oil \$	5,832,824	92,813	389,769	174,182
12	Gas—natural..... \$	1,729,448	—	—	—
13	—manufactured \$	29,861	23	—	29,578
14	Gasoline \$	8,406	46	—	—
15	Other fuels \$	28,284	—	—	—
16	Total cost of fuel..... \$	17,077,823	92,882	389,769	4,478,617
17	Per cent of total for Canada..... %	100.00	0.54	2.28	26.23

1. Includes sub-bituminous coal.

TABLE 8. Transmission and Distribution Lines, 1955

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
459	2,110	5,246	894	15	41	417	—	1
—	92	97	3	—	—	—	—	2
8,645	35,154	60,807	32,220	33,701	33,219	13,401	215	3
1	—	535	—	—	—	—	—	4
7	1,195	1,515	102	39	226	317	2	5
9,112	38,551	68,200	33,219	33,755	33,486	14,135	217	6
3.74	15.81	27.98	13.63	13.85	13.73	5.80	0.09	7
22	12,799	9,934	—	25,897	2,299	696	12	8
183	2,527	3,109	—	6,155	4,679	121	28	9
984	2,309	3,549	—	1,058	1,332	2,264	32	10
104	2,788	6,262	94	24	851	427	90	11
—	790	3,100	—	—	—	240	—	12
1,293	21,213	25,954	94	33,134	9,161	3,748	162	13
1.27	20.85	25.51	0.09	32.57	9.01	3.68	0.16	14

TABLE 9. Fuel Used to Generate Electricity, 1955

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No
240,455	—	—	215	157,212 ¹	99,030 ¹	1,361	—	1
—	—	217,095	—	—	—	—	—	2
—	—	4,920	1,358	195,260	—	—	—	3
1,030,812	2,412,710	908,246	214,640	40,198,671	1,067,455	8,668,968	240,464	4
—	—	—	—	1,533,158	11,711,231	157,829	—	5
—	—	592	—	—	—	—	—	6
—	—	—	—	29,753	50	44	150	7
2,198,651	—	—	2,453	715,694 ¹	163,019 ¹	16,901	—	8
—	—	1,749,499	—	—	—	—	—	9
—	—	26,885	7,076	293,965	—	—	—	10
175,342	427,318	157,970	35,851	2,590,471	180,336	1,540,901	67,871	11
—	—	—	—	382,131	1,280,370	66,947	—	12
—	—	260	—	—	—	—	—	13
—	—	—	—	8,249	20	11	80	14
—	—	—	25,000	—	1,066	2,218	—	15
2,373,993	427,318	1,934,614	70,380	3,990,510	1,624,811	1,626,978	67,951	16
13.90	2.50	11.33	0.41	23.37	9.51	9.53	0.40	17

TABLE 10. Taxes, 1955

No.		Canada	Newfound- land	Prince Edward Island	Nova Scotia
		(Thousands of dollars)			
	All Central Electric Stations:				
1	Municipal	11,863	41	44	1,047
2	Provincial	12,443	1	—	9
3	Federal	32,201	973	181	1,421
4	Total taxes	56,507	1,015	225	2,477
5	Per cent of total for Canada	100.00	1.80	0.40	4.38
	Publicly-Operated Stations:				
6	Municipal	4,666	—	—	103
7	Provincial	4,185	1	—	1
8	Federal	2,034	—	1	4
9	Total taxes	10,885	1	1	108
10	Per cent of total for Canada	100.00	0.01	0.01	0.99
	Privately-Operated Stations:				
11	Municipal	7,197	41	44	944
12	Provincial	8,258	—	—	8
13	Federal	30,167	973	180	1,417
14	Total taxes	45,622	1,014	224	2,369
15	Per cent of total for Canada	100.00	2.22	0.49	5.19

TABLE 11. Employees, Wages and Salaries, 1955

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	All central electric stations:				
	Employees (excluding construction):				
1	Administrative	16,410	135	79	459
2	Operating	18,768	405	83	939
3	Total employees	35,178	540	162	1,398
4	Per cent of total for Canada	100.00	1.54	0.46	3.97
	Wages and salaries (excluding construction employees):				
5	Administrative	\$'000 56,433	380	186	1,039
6	Operating	" 71,937	1,009	232	3,180
7	Total salaries and wages	128,370	1,389	418	4,219
8	Per cent of total for Canada	100.00	1.08	0.33	3.29
	Publicly-operated stations:				
	Employees (excluding construction):				
9	Administrative	11,995	8	6	178
10	Operating	12,515	17	20	365
11	Total employees	24,510	25	26	543
12	Per cent of total for Canada	100.00	0.10	0.10	2.22
	Wages and salaries (excluding construction employees):				
13	Administrative	\$'000 39,255	22	13	240
14	Operating	" 49,720	60	40	1,074
15	Total salaries and wages	88,975	82	53	1,314
16	Per cent of total for Canada	100.00	0.09	0.06	1.48
	Privately-operated stations:				
	Employees (excluding construction):				
17	Administrative	4,415	127	73	281
18	Operating	6,253	388	63	574
19	Total employees	10,668	515	136	855
20	Per cent of total for Canada	100.00	4.83	1.28	8.01
	Wages and salaries (excluding construction employees):				
21	Administrative	\$'000 17,178	358	173	799
22	Operating	" 22,217	949	192	2,106
23	Total salaries and wages	39,395	1,307	365	2,905
24	Per cent of total for Canada	100.00	3.32	0.93	7.37

TABLE 10. Taxes, 1955

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
(Thousands of dollars)								
134	5,002	2,528	503	295	993	1,272	4	1
23	10,646	316	1	3	11	1,431	2	2
223	13,558	3,357	33	317	2,674	9,395	69	3
380	29,206	6,201	537	615	3,678	12,098	75	4
0.67	51.69	10.97	0.95	1.09	6.51	21.41	0.13	5
3	919	1,957	496	213	841	134	—	6
1	3,862	310	—	—	—	9	1	7
4	151	1,809	31	5	3	25	1	8
8	4,932	4,076	527	218	844	168	2	9
0.07	45.31	37.45	4.84	2.00	7.76	1.54	0.02	10
131	4,083	571	7	82	152	1,138	4	11
22	6,784	6	1	3	11	1,422	1	12
219	13,407	1,548	2	312	2,671	9,370	68	13
372	24,274	2,125	10	397	2,834	11,930	73	14
0.82	53.21	4.66	0.02	0.87	6.21	26.15	0.16	15

TABLE 11. Employees, Wages and Salaries, 1955

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
413	4,002	8,284	931	420	599	1,062	26	1
681	4,712	7,371	1,232	920	933	1,454	38	2
1,094	8,714	15,655	2,163	1,340	1,532	2,516	64	3
3.11	24.77	44.50	6.15	3.81	4.36	7.15	0.18	4
1,421	15,042	27,847	2,929	1,290	1,995	4,203	101	5
2,205	15,668	32,853	4,084	3,421	3,076	6,049	160	6
3,626	30,710	60,700	7,013	4,711	5,071	10,252	261	7
2.83	23.92	47.28	5.46	3.67	3.95	7.99	0.20	8
369	1,492	8,162	928	396	234	212	10	9
584	1,619	7,049	1,229	790	441	385	16	10
953	3,111	15,211	2,157	1,186	675	597	26	11
3.89	12.69	62.06	8.80	4.84	2.75	2.44	0.11	12
1,274	4,852	27,340	2,917	1,186	641	721	49	13
1,906	5,458	31,530	4,068	2,860	1,287	1,364	73	14
3,180	10,310	58,870	6,985	4,046	1,928	2,085	122	15
3.57	11.59	66.16	7.85	4.55	2.17	2.34	0.14	16
44	2,510	122	3	24	365	850	16	17
97	3,093	322	3	130	492	1,069	22	18
141	5,603	444	6	154	857	1,919	38	19
1.32	52.52	4.16	0.06	1.44	8.03	17.99	0.36	20
147	10,190	507	12	104	1,354	3,482	52	21
299	10,210	1,323	16	561	1,789	4,685	87	22
446	20,400	1,830	28	665	3,143	8,167	139	23
1.13	51.78	4.65	0.07	1.69	7.98	20.73	0.35	24

TABLE 12. Secondary Power for Use in Canada, 1951-1955¹

Month	1955	1954	1953	1952	1951
(Thousands of kilowatt-hours)					
January	376,676	150,657	335,866	274,286	244,145
February	310,335	170,339	377,424	264,343	228,816
March	345,706	232,235	430,918	278,537	294,631
April	431,797	405,757	614,224	324,539	460,210
May	492,147	546,104	567,158	470,714	491,704
June	226,057	431,063	273,798	407,027	240,981
July	130,174	253,845	198,308	281,350	186,456
August	94,876	167,397	115,562	307,743	121,216
September	115,131	190,192	135,588	249,117	128,290
October	195,877	357,796	166,852	318,200	206,104
November	205,423	384,707	162,759	266,433	261,983
December	189,870	402,683	176,032	300,678	272,175
Total	3,114,069	3,692,775	3,554,489	3,742,967	3,136,711

1. Based on monthly reports.

TABLE 13. Exports and Imports of Electricity to and from the United States, 1954 and 1955

Company	Exported 1955	Imported 1955	Exported 1954	Imported 1954
(Thousands of kilowatt-hours)				
Hydro Electric Power Commission of Ontario	372,564	133,449	307,550	113,039
“ “ “ “ “ “ (surplus)	2,831,061	—	111,972	—
Canadian Niagara Power Company, Ltd.	295,909	45	312,291	—
“ “ “ “ “ “ (surplus)	46,804	—	68,749	—
Ontario Minnesota Power Company	41,541	—	43,655	—
Detroit and Windsor Subway Company	359	—	336	—
Quebec Hydro Commission (via Cedar Rapids Transmission)	630,627	—	643,864	—
Southern Canada Power Company	4,026	595	3,818	19
“ “ “ “ “ “ (surplus)	30,866	—	13,657	—
Maine and New Brunswick Electric Power Company	24,059	—	42,138	—
“ “ “ “ “ “ (Surplus)	8,446	—	17,143	—
Fraser Companies Limited	355	—	3,024	—
British Columbia Electric Company Ltd.	146,770	22,233	150,006	4,393
Shawinigan Water and Power Company	—	241	—	203
Town of Emerson	—	993	—	868
Southern Utilities Company Ltd.	—	573	—	—
Other (incl. Missisquoi Stone & Marble Co. in 1954)	73	433	105	502
Total	4,433,460	158,562	2,718,308	119,024



ELECTRIC POWER STATISTICS
(FORMERLY CENTRAL ELECTRIC STATIONS)

1956

DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
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ELECTRIC POWER STATISTICS

(FORMERLY CENTRAL ELECTRIC STATIONS)

1956

Formerly entitled "Central Electric Stations", this series of statistics has been revised with the assistance and co-operation of the Canadian Electrical Association and henceforth is to be called "Electric Power Statistics". Central electric stations, by definition, pertained to firms which sold electric power. While most of these firms were utilities, a small number of industrial concerns which had some electric power available for sale were also included. The current report includes not only all electric utilities but also all industrial establishments which generate power regardless of whether or not any is sold. Thus statistics are presented for the first time on the total production and distribution of electric power.

Statistics in this report have been classified into two major categories: utilities and industrial establishments. Utilities are defined as companies, commissions, municipalities or individuals whose primary function is to sell most of the electricity which they have either generated or purchased. In turn, utilities have been divided into publicly-operated and privately-operated groups. Industrial establishments are defined as companies or individuals which generate electricity mainly for use in their own plants.

Although complete statistics are provided on the generation and distribution of electric power, this is essentially a report on the electric utility industry. Hence data on pole line and circuit mileage, transformers, fuel consumption, employees, wages and salaries together with financial statistics have been collected only from utilities.

Among data collected for the first time are statistics on high voltage transformers, thermal generation by type of fuel used, assets and liabilities and income account items. Except for statistics on assets and liabilities and income account items to be reported on a fiscal year basis, respondents were requested to submit data for the calendar year 1956. A total of 859 firms filed returns of which 610 were classed as utilities and 249 as industrial establishments. Of the 753 central electric stations comprising the 1955 annual report, 111 are now classed as industrial establishments. As far as possible, 1956 data have been shown in Table 1 on both the new and the old basis to enable users to relate the new series to the old.

Total installed generating capacity in Canada in 1956 amounted to 15,850,230,000 kilowatts of which 610 utilities accounted for 12,463,015,000 kilowatts and 249 industrial establishments, 3,387,215,000 kilowatts. Of total installations in Canada, 13,424,929,000 kilowatts or 84.7 per cent

was hydraulic while 2,425,301,000 or 15.3 per cent was thermal. Compiled on the old central electric station basis, which includes 730 firms, total installed generating capacity in 1956 equalled 14,376,374,000 kilowatts. Generator capacity has in the past been rated in kilovolt-amperes rather than kilowatts; thus, because of the power factor involved comparison with previous years will not be entirely accurate. Prime mover capacity data are not presented in this report but will be issued in a subsequent report together with other data on plant equipment.

Generation during 1956 totalled 87,938,931,000 kilowatt hours with 68,642,142,000 kilowatt hours or 78.1 per cent being generated by utilities and 19,296,789,000 or 21.9 per cent produced by industrial establishments. Publicly-operated utilities generated 42,869,295,000 kilowatt hours compared with 25,772,847,000 kilowatt hours generated by privately-operated utilities. Of the total Canadian output, 81,408,254,000 kilowatt hours or 92.6 per cent was produced from water power whereas 6,530,677,000 kilowatt hours or 7.4 per cent was generated thermally. On the basis of the old concept, central electric stations generation in 1956 totalled 78,004,353,000 kilowatt hours, a 7 per cent increase over the previous year's total of 72,910,592,000 kilowatt hours.

During 1956 total sales to ultimate customers equalled 57,436,148,000 kilowatt hours of which 99.6 per cent was sold by utilities. Sales to power customers comprised 37,300,747,000 kilowatt hours or about 64.9 per cent of the total. These sales are not broken down as small, large or municipal power since this classification is no longer considered sufficiently useful. Sales to domestic and farm customers equalled 14,337,628,000 kilowatt hours or 25 per cent while commercial sales totalled 5,322,958,000 or 9.3 per cent. Exports to the United States amounted to 5,103,669,000 kilowatt hours compared with 4,433,460,000 in 1955.

Compared with central electric stations in 1955 or 1956, the disposal of energy in the revised series appears smaller. In the old series certain industrial establishments were treated as central electric stations and tabulated as selling power to own industry. In the new series these establishments are now classified with industry, and what was formerly counted as disposal of energy to industry is now shown as generated for use in own plant. For comparative purposes, however, it is estimated that total sales in 1956 on the central electric stations basis equalled 66,130,540,000 kilowatt hours, a 7.8 per cent increase over 1955 sales of 61,341,487,000 kilowatt hours.

Total ultimate customers in 1956 equalled 4,426,479 of which 3,833,913 were domestic and farm, 491,044 commercial and 96,982 power customers. Revenue received from sales to ultimate customers in Canada in 1956 totalled \$596,988,000 which consisted of \$235,446,000 from domestic and farm sales, \$108,563,000 from commercial, \$241,735,000 from power and \$11,244,000 from street lighting sales. Revenue obtained from export sales amounted to \$16,852,000. On the central electric stations basis, total revenue from sales to ultimate customers equalled \$617,273,000, a 12.5 per cent rise over the \$548,657,000 earned in the previous year.

The average domestic and farm service revenue per kilowatt hour sold in Canada in 1956 was 1.64 cents as compared with the 1955 average of 1.66 cents. The heavier costs of thermal generation in Prince Edward Island, New Brunswick, Saskatchewan and Alberta are reflected in the higher revenues per kilowatt hour received in those provinces. Manitoba earned the lowest revenue per kilowatt hour sold, mainly because of the widespread use of flat-rate water heaters.

For domestic and farm customers the average annual bill was \$61.41 an increase of 5.8 per cent over the \$58.03 level of 1955. Average domestic and farm consumption rose 6.9 per cent from 3,500 kilowatt hours in 1955 to 3,740 this year. As between provinces, however, these averages varied widely from a low of 1,348 kilowatt hours in Prince Edward Island to a high of 5,636 kilowatt hours in Manitoba. Although many utilities do not keep separate records on farm customers apart from other domestic customers, the data reported on farm service indicates that the average consumption rose from 2,803 kilowatt hours per customer in 1955 to 3,060 in 1956 while the average annual bill climbed from \$71.86 to \$74.75.

Total pole line mileage in Canada amounted to 265,389 in 1956 of which 250,786 or 94.5 per cent were of wooden poles. Pole line mileage tabulated on the new basis appears lower than central electric stations data for either 1955 or 1956 as these data are now collected from electric utilities only. On the old basis, pole line mileage increased by 9.3 per cent in 1956 over 1955, climbing to 266,442 miles from 243,773 miles. Data collected for the first time on transformers with a high voltage rating of 15 kilowatts or over indicated that 82,688 were used by electric utilities in Canada during 1956. The total kilovolt-amperes (kva) of these high voltage transformers equalled 37,667,449.

The cost of fuel used by electric utilities to generate electricity in 1956 amounted to \$20,347,493. The consumption of 1,595,185 tons of coal accounted for \$11,434,725 or 56.2 per cent of the total cost. In terms of tons of coal consumed, Ontario was the largest user at 469,350 tons followed by Nova Scotia with 399,080. The heaviest user of petroleum fuels to generate electricity was Nova Scotia which con-

sumed 9,515,075 imperial gallons. Alberta, Saskatchewan and British Columbia were the only provinces to report the use of natural gas.

Data on the amount of energy generated by type of fuel have been collected for the first time this year. Coal accounted for 2,368,909,000 kilowatt hours or 53.8 per cent of thermal generation, followed by natural gas which produced 1,149,262,000 kilowatt hours or 26.1 per cent, and petroleum fuels at 885,359,000 kilowatt hours or 20.1 per cent.

Total wages and salaries paid in the electric utilities industry in Canada equalled \$148,523,000 in 1956 with publicly-operated utilities paying \$96,915,000 and privately-operated, \$51,608,000. Employees, excluding construction workers, numbered 36,118 with 25,447 working in publicly-operated and 10,671 in privately-operated utilities. Employees numbered 35,178 and earned \$128,370,000 in central electric stations operations in 1955 rising to 36,602 with wages and salaries at \$150,375,000 in 1956.

Although limited financial statistics were collected in the past from central electric stations, this year comprehensive data have been collected on the assets and liabilities and income account items of electric utilities in Canada. In the absence of a standardized system of accounts for the electric utility industry the number of financial items has been kept to a minimum. Fixed assets of electric utility property before depreciation amounted to \$4,891,908,000 in 1956 with generating plants accounting for 50.5 per cent of the total; transmission, 20.3 per cent; distribution, 22.9 per cent and other property and equipment, 6.3 per cent. Including other fixed assets, total fixed assets of the industry after depreciation equalled \$4,224,670,000. By comparison, total current assets amounted to \$330,509,000 while total assets equalled \$5,088,471,000. Electric utilities in Ontario comprised 46 per cent of the total assets of the electric utility industry in Canada followed by Quebec which made up 25.1 per cent of the total. Of total liabilities, long-term debt accounted for \$3,039,528,000.

Total operating revenue of electric utilities in Canada in 1956 amounted to \$789,257,000 while total operating expenses equalled \$489,053,000 leaving operating income at \$300,204,000. Net income after income tax and other deductions totalled \$108,472,000. Publicly-operated utilities had total operating revenues of \$524,469,000 compared with \$264,788,000 for privately-operated, and showed operating incomes of \$197,195,000 as opposed to \$103,009,000 for privately-operated companies.

In 1956, electric utilities in Canada paid federal, provincial and municipal taxes totalling \$57,071,000. Federal taxes accounted for \$34,709,000 or 60.8 per cent of the total while provincial taxes amounted to \$9,657,000 or 16.9 per cent and municipal to \$12,705,000 or 22.3 per cent. Privately-operated utilities paid out \$47,107,000 or nearly five times the \$9,964,000 disbursed by publicly-operated utilities.

TABLES

TABLE 1. Comparative Summary, 1955-1956

No.			Canada				
			1956			1955 ¹ (Central electric stations)	1955 (Central electric stations)
			Utilities	Industrials	Total		
	Installed generating capacity (Table 2):						
1	Hydro	kw	10,611,455	2,813,474	13,424,929	12,458,247	xxx
2	Thermal	"	1,851,560	573,741	2,425,301	1,918,127	xxx
3	Total	"	12,463,015	3,387,215	15,850,230	14,376,374	14,914,640²
	Energy made available (Table 3 and 4):						
4	Generated—Hydro	'000 kwh	64,238,612	17,169,642	81,408,254	73,524,583	69,478,003
5	—Thermal	"	4,403,530	2,127,147	6,530,677	4,479,770	3,432,589
6	Total	"	68,642,142	19,296,789	87,938,931	78,004,353	72,910,592
7	Imported from other Provinces	"	xxx	xxx	xxx	xxx	xxx
8	Imported from United States	"	xxx	xxx	239,173	239,173	158,562
9	Exported to other Provinces	"	xxx	xxx	xxx	xxx	xxx
10	Exported to United States	"	5,059,116	44,553	5,103,669	5,103,669	4,433,460
11	Total made available in Canada	"	xxx	xxx	83,074,435	73,139,857	68,635,694
	Disposal of energy (Table 5):						
	To ultimate customers in Canada:						
12	Domestic and farm	'000 kwh	14,263,915	73,713	14,337,628	14,332,215	12,759,657
13	Commercial	"	5,301,984	20,974	5,322,958	5,321,610	4,703,909
14	Power—excluding deliveries to electric boilers	"	36,222,074	106,244	36,328,318	45,030,582	} 43,416,199
15	—deliveries to electric boilers	"	972,429	—	972,429	972,429	
16	Street lighting	"	468,213	6,602	474,815	473,704	461,722
17	Total sold to ultimate customers	"	57,228,615	207,533	57,436,148	66,130,540	61,341,487
18	Losses and unaccounted for	"	6,152,562	935,045	7,087,607	6,972,201	7,294,207
19	Total disposed of in Canada	"	63,381,177	1,142,578	64,523,755	73,102,741	68,635,694
	Customers (Table 6):						
	Ultimate customers in Canada:						
20	Domestic and farm	No.	3,820,537	13,376	3,833,913	3,832,181	3,645,313
21	Commercial	"	490,050	994	491,044	490,944	481,934
22	Power	"	96,858	124	96,982	96,982	93,271
23	Street lighting	"	4,514	26	4,540	4,537	4,383
24	Total ultimate customers	"	4,411,959	14,520	4,426,479	4,424,644	4,224,901
	Revenue from sale of electricity (Table 7):						
	Revenue from ultimate customers in Canada:						
25	Domestic and farm	\$'000	234,312	1,134	235,446	235,344	211,533
26	Commercial	"	108,185	378	108,563	108,526	97,095
27	Power—excluding deliveries to electric boilers	"	239,278	678	239,956	260,379	} 229,619
28	—deliveries to electric boilers	"	1,779	—	1,779	1,787	
29	Street lighting	"	11,215	29	11,244	11,237	10,410
30	Total revenue from ultimate customers	"	594,769	2,219	596,988	617,273	548,657
	Revenue from electricity exported:						
31	To other provinces	\$'000	xxx	xxx	xxx	xxx	xxx
32	To United States	"	16,708	144	16,852	16,852	11,726
33	Total revenue from exports	"	16,708	144	16,852	16,852	11,726
34	Total pole line mileage (Table 9)	miles	265,389	3	265,389	266,442	243,773
	Employees, salaries and wages (Table 13):						
35	Total employees (excluding construction) ..	No.	36,118	3	36,118	36,602	35,178
36	Total wages and salaries (excluding construction)	\$'000	148,523	3	148,523	150,375	128,370

See footnotes on pages 14 and 15.

TABLE 1. Comparative Summary, 1955-1956

Newfoundland					Prince Edward Island					No.
1956			1956 ¹ (Central electric stations)	1955 (Central electric stations)	1956			1956 ¹ (Central electric stations)	1955 (Central electric stations)	
Utilities	Industrials	Total			Utilities	Industrials	Total			
160,860 14,949 175,809	45,260 13,600 58,860	206,120 28,549 234,669	180,052 16,199 196,251	xxx xxx 201,230²	140 26,220 26,360	— 3 3	140 26,223 26,363	140 26,220 26,360	xxx xxx 17,245²	1 2 3
1,009,291 2,967 1,012,258	351,454 32,334 383,788	1,360,745 35,301 1,396,046	1,024,659 6,967 1,031,626	704,797 6,658 711,455	441 51,355 51,796	— 7 7	441 51,362 51,803	441 51,355 51,796	545 45,885 46,430	4 5 6
xxx	xxx	—	—	—	—	—	—	—	—	7
xxx	xxx	—	—	—	—	—	—	—	—	8
—	31,496	31,496	—	—	—	—	—	—	—	9
—	—	—	—	—	—	—	—	—	—	10
xxx	xxx	1,364,550	1,031,626	711,455	xxx	xxx	51,803	51,796	46,430	11
112,736 30,918	8,978 1,724	121,714 32,642	121,714 32,642	103,400 29,271	18,957 15,861	— —	18,957 15,861	18,957 15,861	15,789 12,420	12 13 14
765,699 — 3,831	715 52	766,414 3,883	766,414 3,883	498,705 4,411	8,064 803	— —	8,064 803	8,064 803	10,140 785	15 16
913,184	11,469	924,653	924,653	635,787	43,685	—	43,685	43,685	39,134	17
95,767	8,624	104,391	95,863	75,668	8,012	—	8,012	8,012	7,296	18
1,008,951	20,093	1,029,044	1,020,516	711,455	51,697	—	51,697	51,697	46,430	19
47,746 5,039 604 17 53,406	1,160 108 48 1 1,317	48,906 5,147 652 18 54,723	48,906 5,147 652 18 54,723	46,475 4,887 640 20 52,022	14,062 2,729 81 20 16,892	— — — — —	14,062 2,729 81 20 16,892	14,062 2,729 81 20 16,892	13,205 2,618 84 20 15,927	20 21 22 23 24
2,720 976	224 43	2,944 1,019	2,944 1,019	2,515 906	921 609	— —	921 609	921 609	887 569	25 26
4,395 — 107 8,198	21 — 288	4,416 — 107 8,486	4,416 — 107 8,486	3,265 105 6,791	233 38 1,801	— — —	233 38 1,801	233 38 1,801	264 37 1,757	27 28 29 30
— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —	31 32 33
2,120	3	2,120	2,254	2,155	1,054	3	1,054	1,054	923	34
607	3	607	635	540	189	3	189	189	162	35
1,644	3	1,644	1,786	1,389	507	3	507	507	418	36

TABLE 1. Comparative Summary, 1955-1956 — Continued

No.			Nova Scotia				
			1956			1956 ¹ (Central electric stations)	1955 (Central electric stations)
			Utilities	Industrials	Total		
	Installed generating capacity (Table 2):						
1	Hydro	kw	120,096	5,438	125,534	120,096	xxx
2	Thermal	"	210,318	47,012	257,330	221,568	xxx
3	Total	"	330,414	52,450	382,864	341,664	383,772²
	Energy made available (Table 3 and 4):						
4	Generated—Hydro	'000 kwh	554,685	37,676	592,361	556,815	500,859
5	—Thermal	"	761,004	127,863	888,867	761,005	704,545
6	Total	"	1,315,689	165,539	1,481,228	1,317,820	1,205,404
7	Imported from other Provinces	"	xxx	xxx	—	—	—
8	Imported from United States	"	xxx	xxx	—	—	—
9	Exported to other Provinces	"	8,234	—	8,234	8,234	7,911
10	Exported to United States	"	—	—	—	—	—
11	Total made available in Canada	"	xxx	xxx	1,472,994	1,309,586	1,197,493
	Disposal of energy (Table 5):						
	To ultimate customers in Canada:						
12	Domestic and farm	'000 kwh	319,243	—	319,243	319,243	281,846
13	Commercial	"	109,906	—	109,906	109,906	102,862
14	Power—excluding deliveries to electric boilers	"	702,259	2,130	704,389	704,389	655,826
15	—deliveries to electric boilers	"	50	—	50	50	
16	Street lighting	"	10,322	—	10,322	10,322	10,054
17	Total sold to ultimate customers	"	1,141,780	2,130	1,143,910	1,143,910	1,050,588
18	Losses and unaccounted for	"	156,538	1	156,539	157,831	146,905
19	Total disposed of in Canada	"	1,298,318	2,131	1,300,449	1,301,741	1,197,493
	Customers (Table 6):						
	Ultimate customers in Canada:						
20	Domestic and farm	No.	154,231	—	154,231	154,231	150,727
21	Commercial	"	20,535	—	20,535	20,535	19,877
22	Power	"	5,594	1	5,595	5,595	5,235
23	Street lighting	"	115	—	115	115	115
24	Total ultimate customers	"	180,475	1	180,476	180,476	175,954
	Revenue from sale of electricity (Table 7):						
	Revenue from ultimate customers in Canada:						
25	Domestic and farm	\$'000	8,680	—	8,680	8,680	7,909
26	Commercial	"	4,187	—	4,187	4,187	3,892
27	Power—excluding deliveries to electric boilers	"	8,896	60	8,956	8,956	8,646
28	—deliveries to electric boilers	"	1	—	1	1	
29	Street lighting	"	409	—	409	409	362
30	Total revenue from ultimate customers	"	22,173	60	22,233	22,233	20,809
	Revenue from electricity exported:						
31	To other provinces	"	159	—	159	159	151
32	To United States	"	—	—	—	—	—
33	Total revenue from exports	"	159	—	159	159	151
34	Total pole line mileage (Table 9)	miles	9,928	3	9,928	9,958	10,020
	Employees, salaries and wages (Table 13):						
35	Total employees (excluding construction) ..	No.	1,542	3	1,542	1,549	1,398
36	Total wages and salaries (excluding construction)	\$'000	4,521	3	4,521	4,541	4,219

See footnotes on pages 14 and 15.

TABLE 1. Comparative Summary, 1955-1956 — Continued

New Brunswick					Quebec					No.
1956			1956 ¹ (Central electric stations)	1955 (Central electric stations)	1956			1956 ¹ (Central electric stations)	1955 (Central electric stations)	
Utilities	Industrials	Total			Utilities	Industrials	Total			
101,375 103,476 204,851	15,214 80,950 96,164	116,589 184,426 301,015	101,375 109,851 211,226	xxx xxx 227,383²	4,503,307 17,142 4,520,449	1,361,621 49,744 1,411,365	5,864,928 66,886 5,931,814	5,761,307 17,267 5,778,574	xxx xxx 6,553,927²	1 2 3
454,448 441,622 896,070	68,490 398,193 466,683	522,938 839,815 1,362,753	472,015 471,471 943,486	517,098 355,758 872,856	27,246,574 19,345 27,265,919	9,860,752 189,881 10,050,633	37,107,326 209,226 37,316,552	36,246,493 22,069 36,268,562	35,330,565 29,571 35,360,136	4 5 6
xxx xxx —	xxx xxx —	21,621 11,451 —	21,621 11,451 —	18,470 3 —	xxx xxx 5,232,799	xxx xxx —	57,306 306 5,232,799	25,810 306 5,232,799 ⁴	10,574 1,034 4,781,207 ⁴	7 8 9
24,034 xxx	980 xxx	25,014 1,370,811	25,014 951,544	32,889 858,440	48,008 xxx	— xxx	48,008 32,093,357	48,008 ⁴ 31,013,871	34,892 ⁴ 30,555,645	10 11
195,768 84,712	— —	195,768 84,712	195,768 84,712	171,052 78,425	3,094,541 1,418,595	10,429 3,097	3,104,970 1,421,692	3,104,503 1,421,612	2,689,760 1,196,118	12 13 14
545,613 227 9,901	3,685 — —	549,298 227 9,901	549,298 227 9,901	544,810 851,305 9,698	14,485,305 851,305 104,189	17,826 — 740	14,503,131 851,305 104,929	23,224,000 851,305 104,907	24,264,193 97,273	15 16
836,221	3,685	839,906	839,906	803,985	19,953,935	32,092	19,986,027	28,706,327	28,247,344	17
86,259 922,480	4,289 7,974	90,548 930,454	90,548 930,454	54,455 858,440	2,082,340 22,036,275	432,374 464,466	2,514,714 22,500,741	2,668,927 31,375,254	2,308,301 30,555,645	18 19
120,537 13,367 2,025 122 136,051	— — 1 — 1	120,537 13,367 2,026 122 136,052	120,537 13,367 2,026 122 136,052	117,926 12,914 1,936 103 132,879	1,031,398 125,757 17,627 1,531 1,176,313	2,759 296 18 7 3,080	1,034,157 126,053 17,645 1,538 1,179,393	1,033,711 126,020 17,647 1,537 1,178,915	987,377 121,506 17,334 1,580 1,127,797	20 21 22 23 24
7,335 2,680	— —	7,335 2,680	7,335 2,680	6,630 2,457	49,923 26,780	206 75	50,129 26,855	50,112 26,847	44,791 22,849	25 26
5,800 — 361 16,176	20 — — 20	5,820 — 361 16,196	5,820 — 361 16,196	4,981 — 326 14,394	75,938 1,579 2,331 156,551	121 — 12 414	76,059 1,579 2,343 156,965	96,057 1,579 2,343 177,388	88,105 2,125 157,870	27 28 29 30
— 166 166	— 4 4	— 170 170	— 170 170	— 222 222	14,541 321 14,862	— — —	14,541 321 14,862	14,541 ⁵ 321 ⁵ 14,862	12,509 ⁵ 220 ⁵ 12,729	31 32 33
9,293	3	9,293	9,313	9,112	39,499	3	39,499	39,654	38,551	34
1,164	3	1,164	1,176	1,094	8,747	3	8,747	9,095	8,714	35
3,923	3	3,923	3,975	3,626	31,868	3	31,868	33,121	30,710	36

TABLE 1. Comparative Summary, 1955-1956 — Continued

No.			Ontario				
			1956			1956 ¹ (Central electric stations)	1955 (Central electric stations)
			Utilities	Industrials	Total		
	Installed generating capacity (Table 2):						
1	Hydro	kw	3,963,290	291,766	4,255,056	4,119,140	xxx
2	Thermal	"	676,816	213,431	890,247	717,709	xxx
3	Total	"	4,640,106	505,197	5,145,303	4,836,849	4,843,161²
	Energy made available (Table 3 and 4):						
4	Generated — Hydro	'000 kwh	25,971,079	1,507,118	27,478,197	26,160,401	23,914,057
5	— Thermal	"	938,168	631,575	1,569,743	963,211	436,053
6	Total	"	26,909,247	2,138,693	29,047,940	27,123,612	24,350,110
7	Imported from other Provinces	"	xxx	xxx	5,334,917	5,334,917	4,770,648
8	Imported from United States	"	xxx	xxx	174,435	174,435	133,494
9	Exported to other Provinces	"	25,961	—	25,961	25,961	10,574
10	Exported to United States	"	4,967,395 ⁴	43,573	5,010,968 ⁴	5,010,968 ⁴	4,218,865 ⁴
11	Total made available in Canada	"	xxx	xxx	29,520,363	27,596,035	25,024,813
	Disposal of energy (Table 5):						
	To ultimate customers in Canada:						
12	Domestic and farm	'000 kwh	7,030,587	18,630	7,049,217	7,045,112	6,360,522
13	Commercial	"	2,414,506	5,127	2,419,633	2,418,518	2,145,430
14	Power — excluding deliveries to electric boilers	"	14,937,468	58,218	14,995,686	14,977,081	13,007,756
15	— deliveries to electric boilers	"	94,416	—	94,416	94,416	
16	Street lighting	"	210,326	3,298	213,624	212,535	200,000
17	Total sold to ultimate customers	"	24,687,303	85,273	24,772,576	24,747,662	21,713,708
18	Losses and unaccounted for	"	2,349,834	314,850	2,664,684	2,426,468	3,311,105
19	Total disposed of	"	27,037,137	400,123	27,437,260	27,174,130	25,024,813
	Customers (Table 6):						
	Ultimate customers in Canada:						
20	Domestic and farm	No.	1,489,386	3,600	1,492,986	1,492,230	1,417,687
21	Commercial	"	168,124	214	168,338	168,274	168,346
22	Power	"	25,629	15	25,644	25,642	25,121
23	Street lighting	"	727	7	734	732	745
24	Total ultimate customers	"	1,683,866	3,836	1,687,702	1,686,878	1,611,899
	Revenue from sale of electricity (Table 7):						
	Revenue from ultimate customers in Canada:						
25	Domestic and farm	\$'000	95,679	263	95,942	95,881	86,884
26	Commercial	"	37,544	69	37,613	37,595	34,123
27	Power — excluding deliveries to electric boilers	"	100,514	159	100,673	100,649	86,344
28	— deliveries to electric boilers	"	139	—	139	147	
29	Street lighting	"	5,113	8	5,121	5,113	4,780
30	Total revenue from ultimate customers	"	238,989	499	239,488	239,385	212,131
	Revenue from electricity exported:						
31	To other Provinces	\$'000	134	—	134	134	108
32	To United States	"	16,147 ⁵	140	16,287 ⁵	16,287 ⁵	10,749 ⁵
33	Total revenue from exports	"	16,281	140	16,421	16,421	10,857
34	Total pole line mileage (Table 9)	miles	71,578	3	71,578	71,837	68,200
	Employees, salaries and wages (Table 13):						
35	Total employees (excluding construction)	No.	15,956	3	15,956	16,001	15,655
36	Total wages and salaries (excluding construction)	\$'000	65,196	3	65,196	65,397	60,700

See footnotes on pages 14 and 15.

TABLE 1. Comparative Summary, 1955-1956 — Continued

Manitoba					Saskatchewan					No.
1956			1956 ¹ (Central electric stations)	1955 (Central electric stations)	1956			1956 ¹ (Central electric stations)	1955 (Central electric stations)	
Utilities	Industrials	Total			Utilities	Industrials	Total			
585,000 51,815 636,815	4,950 7,523 12,473	589,950 59,338 649,288	585,000 51,815 636,815	xxx xxx 675,551²	85,200 329,383 414,583	— 1,165 1,165	85,200 330,548 415,748	85,200 329,383 414,583	xxx xxx 456,309²	1 2 3
3,330,439 3,249 3,333,688	15,955 15,661 31,616	3,346,394 18,910 3,365,304	3,330,439 3,273 3,333,712	3,099,880 4,056 3,103,936	555,466 995,520 1,550,986	— 34,913 34,913	555,466 1,030,433 1,585,899	555,466 995,520 1,550,986	569,401 912,420 1,481,821	4 5 6
xxx xxx 117,499 8 xxx	xxx xxx — — xxx	555,617 817 117,499 8 3,804,231	555,617 817 117,499 8 3,772,639	524,890 993 1,772 6 3,628,041	xxx xxx 555,466 — xxx	xxx xxx — — xxx	1,994 258 555,466 — 1,032,685	1,994 258 555,466 — 997,772	1,772 232 524,890 — 958,935	7 8 9 10 11
1,168,689 274,345	3,890 1,307	1,172,579 275,652	1,172,439 275,652	1,079,155 264,359	399,923 158,358	292 —	400,215 158,358	399,952 158,358	373,822 146,878	12 13 14
1,876,911 21,444 31,837	65 — 115	1,876,976 21,444 31,952	1,876,976 21,444 31,952	1,793,846 29,888	305,280 — 19,291	— — —	305,280 — 19,291	305,280 — 19,291	266,357 19,169	15 16
3,373,226 399,280 3,772,506	5,377 2,018 7,395	3,378,603 401,298 3,779,901	3,378,463 403,788 3,782,251	3,167,248 460,793 3,628,041	882,852 114,718 997,570	292 — 292	883,144 114,718 997,862	882,881 114,718 997,599	806,226 152,709 958,935	17 18 19
207,396 30,206 15,482 526 253,610	643 53 1 2 699	208,039 30,259 15,483 528 254,309	207,950 30,258 15,483 528 254,219	199,111 28,760 14,770 523 243,164	169,446 30,826 5,028 781 206,081	81 — — — 81	169,527 30,826 5,028 781 206,162	169,467 30,826 5,028 781 206,102	150,561 28,884 4,911 657 185,013	20 21 22 23 24
13,484 5,261 9,137 28 519 28,429	36 13 1 — — 50	13,520 5,274 9,138 28 519 28,479	13,518 5,274 9,138 28 519 28,477	12,736 4,868 7,555 493 25,652	12,687 5,826 5,369 — 572 24,454	3 — — — — 3	12,690 5,826 5,369 — 572 24,457	12,688 5,826 5,369 — 572 24,455	10,969 5,169 4,741 508 21,387	25 26 27 28 29 30
415 2 415	— — —	415 6 415	415 — 415	28 — 28	1,292 — 1,292	— — —	1,292 — 1,292	1,292 — 1,292	1,270 — 1,270	31 32 33
34,232	3 3	34,232	34,243	33,219	44,516	3 3	44,516	44,517	33,755	34
2,162 7,501	3 3	2,162 7,501	2,163 7,505	2,163 7,013	1,430 5,360	3 3	1,430 5,360	1,430 5,360	1,340 4,711	35 36

TABLE 1. Comparative Summary, 1955-1956 — Concluded

No.			Alberta				
			1956			1956 ¹ (Central electric stations)	1955 (Central electric stations)
			Utilities	Industrials	Total		
	Installed generating capacity (Table 2):						
1	Hydro	kw	222,665	—	222,665	222,665	xxx
2	Thermal	"	348,006	33,490	381,496	349,430	xxx
3	Total	"	570,671	33,490	604,161	572,095	530,497²
	Energy made available (Table 3 and 4):						
4	Generated—Hydro	'000 kwh	979,157	—	979,157	979,157	935,943
5	— Thermal	"	1,041,343	122,973	1,164,316	1,043,436	793,011
6	Total	"	2,020,500	122,973	2,143,473	2,022,593	1,728,954
7	Imported from other Provinces	"	xxx	xxx	28,512	28,512	31,803
8	Imported from United States	"	xxx	xxx	—	—	573
9	Exported to other Provinces	'000 kwh	—	—	—	—	—
10	Exported to United States	"	—	—	—	—	—
11	Total made available in Canada	"	xxx	xxx	2,171,985	2,051,105	1,761,330
	Disposal of energy (Table 5):						
	To ultimate customers in Canada:						
12	Domestic and farm	'000 kwh	500,445	815	501,260	501,032	418,970
13	Commercial	"	245,090	154	245,244	245,244	215,617
14	Power—excluding deliveries to electric boilers	"	1,020,587	1,722	1,022,309	1,022,309	840,798
15	—deliveries to electric boilers	"	—	—	—	—	
16	Street lighting	"	25,582	3	25,585	25,585	45,640
17	Total sold to ultimate customers	"	1,791,704	2,694	1,794,398	1,794,170	1,521,025
18	Losses and unaccounted for	"	255,137	54	255,191	255,191	240,305
19	Total disposed of in Canada	"	2,046,841	2,748	2,049,589	2,049,361	1,761,330
	Customers (Table 6):						
	Ultimate customers in Canada:						
20	Domestic and farm	No.	221,562	660	222,222	222,187	212,172
21	Commercial	"	37,232	22	37,254	37,254	38,876
22	Power	"	16,423	3	16,426	16,426	15,023
23	Street lighting	"	479	1	480	480	436
24	Total ultimate customers	"	275,696	686	276,382	276,347	266,507
	Revenue from sale of electricity (Table 7):						
	Revenue from ultimate customers in Canada:						
25	Domestic and farm	\$'000	12,530	43	12,573	12,572	11,074
26	Commercial	"	8,652	8	8,660	8,660	7,855
27	Power—excluding deliveries to electric boilers	"	12,891	25	12,916	12,916	10,871
28	—deliveries to electric boilers	"	10	—	10	10	
29	Street lighting	"	742	—	742	742	762
30	Total revenue from ultimate customers	"	34,825	76	34,901	34,900	30,562
31	Revenue from electricity exported:						
31	To other provinces	\$'000	—	—	—	—	—
32	To United States	"	—	—	—	—	—
33	Total revenue from exports	"	—	—	—	—	—
34	Total pole line mileage (Table 9)	miles	37,793	3	37,793	37,818	33,486
	Employees, salaries and wages (Table 13):						
35	Total employees (excluding construction)	No.	1,598	3	1,598	1,603	1,532
36	Total wages and salaries (excluding construction)	\$'000	5,443	3	5,443	5,463	5,071

1. Compiled on previous basis for comparison.

2. In kilovolt-amperes.

3. Data not collected from industrials.

TABLE 1. Comparative Summary, 1955-1956 — Concluded

British Columbia					Yukon and N.W.T.					No.
1956			1956 ¹ (Central electric stations)	1955 (Central electric stations)	1956			1956 ¹ (Central electric stations)	1955 (Central electric stations)	
Utilities	Industrials	Total			Utilities	Industrials	Total			
858,347 71,885 930,232	1,074,675 113,223 1,187,898	1,933,022 185,108 2,118,130	862,097 78,010 940,107	xxx xxx 1,009,690²	11,175 1,550 12,725	14,550 13,600 28,150	25,725 15,150 40,875	12,675 675 13,350	xxx xxx 15,875²	2 3 3
4,074,749 147,084 4,221,833	5,275,809 572,694 5,848,503	9,350,558 719,778 10,070,336	4,128,080 160,090 4,288,170	3,835,417 141,373 3,976,790	62,283 1,873 64,156	52,388 1,053 53,441	114,671 2,926 117,597	70,617 1,373 71,990	69,441 3,259 72,700	4 5 6
xxx xxx 28,512 19,671 xxx	xxx xxx — — xxx	— 51,906 28,512 19,671 10,074,059	— 51,906 28,512 19,671 4,291,893	— 22,233 31,803 146,808 3,820,412	xxx xxx — — xxx	xxx xxx — — xxx	— — — — 117,597	— — — — 71,990	— — — — 72,700	7 8 9 10 11
1,415,280 547,164	29,779 9,412	1,445,059 556,576	1,444,849 556,576	1,256,002 510,228	7,746 2,529	900 153	8,646 2,682	8,646 2,529	9,339 2,301	12 13 14
1,529,052 — 51,902	21,883 — 2,394	1,550,935 — 54,296	1,550,935 — 54,296	1,476,047 — 44,592	45,836 4,987 229	— — —	45,836 4,987 229	45,836 4,987 229	57,721 — 212	15 16 17
3,543,398	63,468	3,606,866	3,606,656		3,286,869	61,327	1,053	62,380		62,227	69,573
596,944 4,140,342	170,707 234,175	767,651 4,374,517	740,994 4,347,650	533,543 3,820,412	7,733 69,060	2,128 3,181	9,861 72,241	9,861 72,088	3,127 72,700	18 19
362,021 55,734 8,219 189 426,163	4,417 299 37 8 4,761	366,438 56,033 8,256 197 430,924	366,092 56,033 8,256 197 430,578	347,417 54,848 8,075 178 410,518	2,752 501 146 7 3,406	56 2 — — 58	2,808 503 146 7 3,464	2,808 501 146 7 3,462	2,655 418 142 6 3,221	20 21 22 23 24
29,921 15,502	350 160	30,271 15,662	30,252 15,661	26,662 14,252	432 168	9 10	441 178	441 168	476 155	25 26
15,069 — 1,011 61,503	271 — 9 790	15,340 — 1,020 62,293	15,339 — 1,020 62,272	13,959 — 901 55,774	1,036 22 12 1,670	— — — 19	1,036 22 12 1,689	1,036 22 12 1,679	888 — 11 1,530	27 28 29 30
92 74 166	— — —	92 74 166	92 74 166		79 535 614	— — —	— — —	— — —		— — —
15,180	3	15,180	15,570	14,135	196	3	196	224	217	34
2,645	3	2,645	2,678	2,516	78	3	78	83	64	35
22,271	3	22,271	22,415	10,252	289	3	289	305	261	36

4. Ontario is credited with exports of 625,612,000 kwh to the United States which were purchased from Quebec in 1956, (630,627,000 kwh in 1955).

5. Ontario received \$1,625,563 for exports to the United States which were purchased from Quebec in 1956 (\$1,526,000 in 1955).

6. Revenue less than \$1,000.

TABLE 2. Installed Generating Capacity at End of Year, 1956

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		Nameplate rating in kilowatts			
	Electric utilities and industrial establishments:				
1	Hydro:				
	Water-wheels and turbines	13,424,929	206,120	140	125,534
	Thermal:				
2	Steam engines and turbines	2,219,523	20,250	22,500	253,337
3	Internal combustion engines	195,268	6,692	3,723	3,993
4	Gas turbines	10,510	1,607	—	—
5	Total thermal	2,425,301	28,549	26,223	257,330
6	Total installed generating capacity	15,850,230	234,669	26,363	382,864
7	Per cent of total for Canada	100.00	1.48	0.17	2.42
	Electric Utilities:				
	Publicly and privately-operated:				
8	Hydro:				
	Water-wheels and turbines	10,611,455	160,860	140	120,096
	Thermal:				
9	Steam engines and turbines	1,692,183	10,250	22,500	206,375
10	Internal combustion engines	149,243	3,092	3,720	3,943
11	Gas turbines	10,134	1,607	—	—
12	Total thermal	1,851,560	14,949	26,220	210,318
13	Total installed generating capacity	12,463,015	175,809	26,360	330,414
14	Per cent of total for Canada	100.00	1.41	0.21	2.65
	Publicly-operated:				
15	Hydro:				
	Water-wheels and turbines	5,934,911	—	—	82,634
	Thermal:				
16	Steam engines and turbines	1,293,670	—	—	41,125
17	Internal combustion engines	104,969	480	3,600	1,903
18	Gas turbines	—	—	—	—
19	Total thermal	1,398,639	480	3,600	43,028
20	Total installed generating capacity	7,333,550	480	3,600	125,662
21	Per cent of total for Canada	100.00	0.01	0.05	1.71
	Privately-operated:				
22	Hydro:				
	Water-wheels and turbines	4,676,544	160,860	140	37,462
	Thermal:				
23	Steam engines and turbines	398,513	10,250	22,500	165,250
24	Internal combustion engines	44,274	2,612	120	2,040
25	Gas turbines	10,134	1,607	—	—
26	Total thermal	452,921	14,469	22,620	167,290
27	Total installed generating capacity	5,129,465	175,329	22,760	204,752
28	Per cent of total for Canada	100.00	3.42	0.44	3.99
	Industrial establishments:				
29	Hydro:				
	Water-wheels and turbines	2,813,474	45,260	—	5,438
	Thermal:				
30	Steam engines and turbines	527,340	10,000	—	46,962
31	Internal combustion engines	46,025	3,600	3	50
32	Gas turbines	376	—	—	—
33	Total thermal	573,741	13,600	3	47,012
34	Total installed generating capacity	3,387,215	58,860	3	52,450
35	Per cent of total for Canada	100.00	1.74	0.00	1.55

TABLE 2. Installed Generating Capacity at End of Year, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
Nameplate rating in kilowatts								
116,589	5,864,928	4,255,056	589,950	85,200	222,665	1,933,022	25,725	1
174,750	49,225	872,205	54,090	296,750	352,278	124,138	—	2
9,676	17,661	17,666	5,248	33,798	20,691	60,970	15,150	3
—	—	376	—	—	8,527	—	—	4
184,426	66,886	890,247	59,338	330,548	381,496	185,108	15,150	5
301,015	5,931,814	5,145,303	649,288	415,748	604,161	2,118,130	40,875	6
1.90	37.42	32.46	4.10	2.62	3.81	13.36	0.26	7
101,375	4,503,307	3,963,290	585,000	85,200	222,665	858,347	11,175	8
94,400	—	670,020	50,000	295,750	323,375	19,513	—	9
9,076	17,142	6,796	1,815	33,633	16,104	52,372	1,550	10
—	—	—	—	—	8,527	—	—	11
103,476	17,142	676,816	51,815	329,383	348,006	71,885	1,550	12
204,831	4,520,449	4,640,106	636,815	414,583	570,671	930,232	12,725	13
1.65	36.27	37.23	5.11	3.33	4.58	7.46	0.10	14
28,335	1,697,856	3,302,829	585,000	—	—	228,757	9,500	15
94,400	—	670,020	50,000	257,250	180,875	—	—	16
8,076	5,825	4,166	1,815	33,243	1,189	43,797	875	17
—	—	—	—	—	—	—	—	18
102,476	5,825	674,186	51,815	290,493	182,064	43,797	875	19
130,811	1,703,681	3,977,015	636,815	290,493	182,064	272,554	10,375	20
1.79	23.23	54.23	8.68	3.96	2.48	3.72	0.14	21
73,040	2,805,451	660,461	—	85,200	222,665	629,590	1,675	22
—	—	—	—	38,500	142,500	19,513	—	23
1,000	11,317	2,630	—	390	14,915	8,575	675	24
—	—	—	—	—	8,527	—	—	25
1,000	11,317	2,630	—	38,890	165,942	28,088	675	26
74,040	2,816,768	663,091	—	124,090	388,607	657,678	2,350	27
1.44	54.91	12.93	—	2.42	7.58	12.82	0.05	28
15,214	1,361,621	291,766	4,950	—	—	1,074,675	14,550	29
80,350	49,225	202,185	4,090	1,000	28,903	104,625	—	30
600	519	10,870	3,433	165	4,587	8,598	13,600	31
—	—	376	—	—	—	—	—	32
80,950	49,744	213,431	7,523	1,165	33,490	113,223	13,600	33
96,164	1,411,365	505,197	12,473	1,165	33,490	1,187,898	28,150	34
2.84	41.67	14.91	0.37	0.03	0.99	35.07	0.83	35

TABLE 3. Generation of Energy, 1956

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		Thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
	Hydro:				
1	Water-wheels and turbines	81,408,254	1,360,745	441	592,361
	Thermal:				
2	Steam engines and turbines	6,006,117	18,975	43,783	886,878
3	Internal combustion engines	490,569	14,607	7,579	1,989
4	Gas turbines	33,991	1,719	—	—
5	Total thermal	6,530,677	35,301	51,362	888,867
6	Total energy generated	87,938,931	1,396,046	51,803	1,481,228
7	Per cent of total for Canada	100.00	1.59	0.06	1.68
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	64,238,612	1,009,291	441	554,685
	Thermal:				
9	Steam engines and turbines	4,021,522	453	43,783	759,065
10	Internal combustion engines	349,122	795	7,572	1,939
11	Gas turbines	32,886	1,719	—	—
12	Total thermal	4,403,530	2,967	51,355	761,004
13	Total energy generated	68,642,142	1,012,258	51,796	1,315,689
14	Per cent of total for Canada	100.00	1.47	0.08	1.92
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	39,577,500	—	—	386,390
	Thermal:				
16	Steam engines and turbines	3,012,131	—	—	124,791
17	Internal combustion engines	279,664	596	7,560	1,930
18	Gas turbines	—	—	—	—
19	Total thermal	3,291,795	596	7,560	126,721
20	Total energy generated	42,869,295	596	7,560	513,111
21	Per cent of total for Canada	100.00	0.00	0.02	1.20
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	24,661,112	1,009,291	441	168,295
	Thermal:				
23	Steam engines and turbines	1,009,391	453	43,783	634,274
24	Internal combustion engines	69,458	199	12	9
25	Gas turbines	32,886	1,719	—	—
26	Total thermal	1,111,735	2,371	43,795	634,283
27	Total energy generated	25,772,847	1,011,662	44,236	802,578
28	Per cent of total for Canada	100.00	3.92	0.17	3.11
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	17,169,642	351,454	—	37,676
	Thermal:				
30	Steam engines and turbines	1,984,595	18,522	—	127,813
31	Internal combustion engines	141,447	13,812	7	50
32	Gas turbines	1,105	—	—	—
33	Total thermal	2,127,147	32,334	7	127,863
34	Total energy generated	19,296,789	383,788	7	165,539
35	Per cent of total for Canada	100.00	1.99	0.00	0.86

1. Kilowatt-hours generated after deducting station service.

TABLE 3. Generation of Energy, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
Thousands of kilowatt-hours ¹								
522,938	37,107,326	27,478,197	3,346,394	555,466	979,157	9,350,558	114,671	1
826,045	188,034	1,536,553	5,451	907,193	1,067,929	525,276	—	2
13,770	21,162	32,085	13,459	123,214	65,276	194,502	2,926	3
—	30	1,105	—	26	31,111	—	—	4
839,815	209,226	1,569,743	18,910	1,030,433	1,164,316	719,778	2,926	5
1,362,753	37,316,552	29,047,940	3,365,304	1,585,899	2,143,473	10,070,336	117,597	6
1.55	42.44	33.03	3.83	1.80	2.44	11.45	0.13	7
454,448	27,246,574	25,971,079	3,330,439	555,466	979,157	4,074,749	62,283	8
427,875	—	933,211	101	872,285	969,333	15,416	—	9
13,747	19,315	4,957	3,148	123,209	40,899	131,668	1,873	10
—	30	—	—	26	31,111	—	—	11
441,622	19,345	938,168	3,249	995,520	1,041,343	147,084	1,873	12
896,070	27,265,919	26,909,247	3,333,688	1,550,986	2,020,500	4,221,833	64,156	13
1.31	39.72	39.20	4.86	2.26	2.94	6.15	0.09	14
107,486	10,290,704	24,414,866	3,330,439	—	—	990,318	57,297	15
427,875	—	933,211	101	757,819	768,334	—	—	16
13,507	4,754	4,535	3,148	121,596	2,808	118,006	1,224	17
—	—	—	—	—	—	—	—	18
441,382	4,754	937,746	3,249	879,415	771,142	118,006	1,224	19
548,868	10,295,458	25,352,612	3,333,688	879,415	771,142	1,108,324	58,521	20
1.28	24.01	59.14	7.78	2.05	1.80	2.58	0.14	21
346,962	16,955,870	1,556,213	—	555,466	979,157	3,084,431	4,986	22
—	—	—	—	114,466	200,999	15,416	—	23
240	14,561	422	—	1,613	38,091	13,662	649	24
—	30	—	—	26	31,111	—	—	25
240	14,591	422	—	116,105	270,201	29,078	649	26
347,202	16,970,461	1,556,635	—	671,571	1,249,358	3,113,509	5,635	27
1.35	65.85	6.04	—	2.61	4.85	12.08	0.02	28
68,490	9,860,752	1,507,118	15,955	—	—	5,275,809	52,388	29
398,170	188,034	603,342	5,350	34,908	98,596	509,860	—	30
23	1,847	27,128	10,311	5	24,377	62,834	1,053	31
—	—	1,105	—	—	—	—	—	32
398,193	189,881	631,575	15,661	34,913	122,973	572,694	1,053	33
466,683	10,050,633	2,138,693	31,616	34,913	122,973	5,848,503	53,441	34
2.42	52.08	11.08	0.16	0.18	0.64	30.31	0.28	35

TABLE 4. Energy Made Available, 1956

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		Thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
1	Total generated (Table 3)¹	87,938,931	1,396,046	51,803	1,481,228
2	Per cent of total for Canada	100.00	1.59	0.06	1.68
	Energy imported:				
3	From other provinces	xxx	—	—	—
4	From United States	239,173	—	—	—
5	Total imported	239,173	—	—	—
	Energy exported:				
6	To other provinces	xxx	31,496	—	8,234
7	To United States	5,103,669	—	—	—
8	Total exported	5,103,669	31,496	—	8,234
9	Total made available in Canada	83,074,435	1,364,550	51,803	1,472,994
10	Per cent of total for Canada	100.00	1.64	0.06	1.77
11	Generated for use in own plant	18,550,680	335,506	106	172,545
12	Total available for disposal in Canada	64,523,755	1,029,044	51,697	1,300,449
13	Per cent of total for Canada	100.00	1.59	0.08	2.02

1. Kilowatt-hours generated after deducting station service.

TABLE 5. Disposal of Energy, 1956

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		Thousands of kilowatt-hours			
	Electric utilities and industrial establishments:				
	To ultimate customers in Canada:				
1	Domestic and farm ¹	14,337,628	121,714	18,957	319,243
2	Commercial	5,322,958	32,642	15,861	109,906
3	Power—excluding deliveries to electric boilers	36,328,318	766,414	8,064	704,389
4	—deliveries to electric boilers	972,429	—	—	50
5	Street lighting	474,815	3,883	803	10,322
6	Total sold to ultimate customers	57,436,148	924,653	43,685	1,143,910
7	Losses and unaccounted for	7,087,607	104,391	8,012	156,539
8	Total disposed of in Canada	64,523,755	1,029,044	51,697	1,300,449
9	Per cent of total for Canada	100.00	1.59	0.08	2.02
	Exported:				
10	To other provinces—primary	xxx	31,496	—	8,234
11	—secondary	xxx	—	—	—
12	To United States—primary	1,383,467	—	—	—
13	—secondary	3,720,202	—	—	—
14	Total exported	5,103,669	31,496	—	8,234
	Electric utilities:				
	Publicly and Privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	14,263,915	112,736	18,957	319,243
16	Commercial	5,301,984	30,918	15,861	109,906
17	Power—excluding deliveries to electric boilers	36,222,074	765,699	8,064	702,259
18	—deliveries to electric boilers	972,429	—	—	50
19	Street lighting	468,213	3,831	803	10,322
20	Total sold to ultimate customers	57,228,615	913,184	43,685	1,141,780
21	Losses and unaccounted for	6,152,562	95,767	8,012	156,538
22	Total disposed of in Canada	63,381,177	1,008,951	51,697	1,298,318
23	Per cent of total for Canada	100.00	1.59	0.08	2.05
	Exported:				
24	To other provinces—primary	xxx	—	—	8,234
25	—secondary	xxx	—	—	—
26	To United States—primary	1,338,914	—	—	—
27	—secondary	3,720,202	—	—	—
28	Total exported	5,059,116	—	—	8,234

1. Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 4. Energy Made Available, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
Thousands of kilowatt-hours ¹								
1,362,753 1.55	37,316,552 42.44	29,047,940 33.03	3,365,304 3.83	1,585,899 1.80	2,143,473 2.44	10,070,336 11.45	117,597 0.13	1
21,621	57,306	5,334,917	555,617	1,994	28,512	—	—	3
11,451	306	174,435	817	258	—	51,906	—	4
33,072	57,612	5,509,352	556,434	2,252	28,512	51,906	—	5
—	5,232,799	25,961	117,499	555,466	—	28,512	—	6
25,014	48,008	5,010,968	8	—	—	19,671	—	7
25,014	5,280,807	5,036,929	117,507	555,466	—	48,183	—	8
1,370,811 1.65	32,093,357 38.63	29,520,363 35.54	3,804,231 4.58	1,032,685 1.24	2,171,985 2.62	10,074,059 12.13	117,597 0.14	9
440,357	9,592,616	2,083,103	24,330	34,823	122,396	5,699,542	45,356	11
930,454 1.44	22,500,741 34.87	27,437,260 42.52	3,779,901 5.86	997,862 1.55	2,049,589 3.18	4,374,517 6.78	72,241 0.11	12
								13

TABLE 5. Disposal of Energy, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
Thousands of kilowatt-hours								
195,768	3,104,970	7,049,217	1,172,579	400,215	501,260	1,445,059	8,646	1
84,712	1,421,692	2,419,633	275,652	158,358	245,244	556,576	2,682	2
549,298	14,503,131	14,995,686	1,876,976	305,280	1,022,309	1,550,935	45,836	3
227	851,305	94,416	21,444	—	—	—	4,987	4
9,901	104,929	213,624	31,952	19,291	25,585	54,296	229	5
839,906	19,986,027	24,772,576	3,378,603	883,144	1,794,398	3,606,866	62,380	6
90,548	2,514,714	2,664,684	401,298	114,718	255,191	767,651	9,861	7
930,454 1.44	22,500,741 34.87	27,437,260 42.52	3,779,901 5.86	997,862 1.55	2,049,589 3.18	4,374,517 6.78	72,241 0.11	8
—	4,524,818 ²	11,701	1,994	555,466	—	28,512	—	10
—	707,981	14,260	115,505	—	—	—	—	11
21,210	4,839	1,337,739 ²	8	—	—	19,671	—	12
3,804	43,169	3,673,229	—	—	—	—	—	13
25,014	5,280,807	5,036,929	117,507	555,466	—	48,183	—	14
195,768	3,094,541	7,030,587	1,168,689	399,923	500,445	1,415,280	7,746	15
84,712	1,418,595	2,414,506	274,345	158,358	245,090	547,164	2,529	16
545,613	14,485,305	14,937,468	1,876,911	305,280	1,020,587	1,529,052	45,836	17
227	851,305	94,416	21,444	—	—	—	4,987	18
9,901	104,189	210,326	31,837	19,291	25,582	51,902	229	19
836,221	19,953,935	24,687,303	3,373,226	882,852	1,791,704	3,543,398	61,327	20
86,259	2,082,340	2,349,834	399,280	114,718	255,137	596,944	7,733	21
922,480 1.46	22,036,275 34.77	27,037,137 42.66	3,772,506 5.95	997,570 1.57	2,046,841 3.23	4,140,342 6.53	69,060 0.11	22
—	4,524,818 ²	11,701	1,994	555,466	—	28,512	—	24
—	707,981	14,260	115,505	—	—	—	—	25
20,230	4,839	1,294,166 ²	8	—	—	19,671	—	26
3,804	43,169	3,673,229	—	—	—	—	—	27
24,034	5,280,807	4,993,356	117,507	555,466	—	48,183	—	28

2. Ontario is credited with exports of 625,612 thousand kwh to the United States, which were purchased from Quebec.

TABLE 5. Disposal of Energy, 1956 — Concluded

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
Thousands of kilowatt-hours					
	Electric utilities — Concluded				
	Publicly-operated:				
	To ultimate customers in Canada:				
1	Domestic and farm ¹	10,717,877	282	4,795	86,491
2	Commercial	3,934,346	169	1,680	31,787
3	Power—excluding deliveries to electric boilers	20,375,627	8	1,868	331,620
4	—deliveries to electric boilers	341,198	—	—	50
5	Street lighting	357,807	59	200	3,542
6	Total sold to ultimate customers	35,726,855	518	8,543	453,490
7	Losses and unaccounted for	3,480,143	72	1,600	59,621
8	Total disposed of in Canada	39,206,998	590	10,143	513,111
9	Per cent of total for Canada	100.00	0.00	0.03	1.31
	Exported:				
10	To other provinces — primary	xxx	—	—	—
11	—secondary	xxx	—	—	—
12	To United States — primary	1,394,287	—	—	—
13	—secondary	3,634,871	—	—	—
14	Total exported	4,029,158	—	—	—
	Privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	3,546,038	112,454	14,162	232,752
16	Commercial	1,367,638	30,749	14,181	78,119
17	Power—excluding deliveries to electric boilers	15,846,447	765,691	6,196	370,639
18	—deliveries to electric boilers	631,231	—	—	—
19	Street lighting	110,406	3,772	603	6,780
20	Total sold to ultimate customers	21,501,760	912,666	35,142	688,290
21	Losses and unaccounted for	2,672,419	95,695	6,412	96,917
22	Total disposed of in Canada	24,174,179	1,008,361	41,554	785,207
23	Per cent of total for Canada	100.00	4.17	0.17	3.25
	Exported:				
24	To other provinces — primary	xxx	—	—	8,234
25	—secondary	xxx	—	—	—
26	To United States — primary	944,627	—	—	—
27	—secondary	85,331	—	—	—
28	Total exported	1,029,958	—	—	8,234
	Industrial establishments:				
	To ultimate customers in Canada:				
29	Domestic and farm ¹	73,713	8,978	—	—
30	Commercial	20,974	1,724	—	—
31	Power—excluding deliveries to electric boilers ...	106,244	715	—	2,130
32	—deliveries to electric boilers	—	—	—	—
33	Street lighting	6,602	52	—	—
34	Total sold to ultimate customers	207,533	11,469	—	2,130
35	Losses and unaccounted for	935,045	8,624	—	1
36	Total disposed of in Canada	1,142,578	20,093	—	2,131
37	Per cent of total for Canada	100.00	1.76	—	0.19
	Exported:				
38	To other provinces — primary	xxx	31,496	—	—
39	—secondary	xxx	—	—	—
40	To United States — primary	44,553	—	—	—
41	—secondary	—	—	—	—
42	Total exported	44,553	31,496	—	—

1. Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 5. Disposal of Energy, 1956 - Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
Thousands of kilowatt-hours								
141,097	1,524,075	6,878,163	1,155,549	364,168	266,237	296,521	499	1
49,935	768,602	2,347,136	269,902	148,233	176,385	140,070	447	2
229,669	4,060,767	13,149,947	1,382,390	264,547	397,624	512,744	44,443	3
—	220,301	94,416	21,444	—	—	—	4,987	4
6,548	60,069	206,297	30,532	18,179	18,079	14,294	8	5
427,249	6,633,814	22,675,959	2,859,817	795,127	858,325	963,629	50,384	6
72,423	724,075	1,963,460	359,217	84,138	67,944	142,138	5,455	7
499,672	7,357,889	24,639,419	3,219,034	879,265	926,269	1,105,767	55,839	8
1.28	18.77	62.84	8.21	2.24	2.36	2.82	0.14	9
—	1,550,662 ²	11,701	—	—	—	—	—	10
—	517,083	14,260	115,505	—	—	—	—	11
30	—	394,249	8	—	—	—	—	12
—	—	3,634,871	—	—	—	—	—	13
30	2,067,750	4,055,081	115,513	—	—	—	—	14
54,671	1,570,466	152,424	13,140	35,755	234,208	1,118,759	7,247	15
34,777	649,993	67,370	4,443	10,125	68,705	407,094	2,082	16
315,944	10,424,538	1,787,521	494,521	40,733	622,963	1,016,308	1,393	17
227	631,004	—	—	—	—	—	—	18
3,353	44,120	4,029	1,305	1,112	7,503	37,608	221	19
408,972	13,320,121	2,011,344	513,409	87,725	933,379	2,579,769	10,943	20
13,836	1,358,265	386,374	40,063	30,580	187,193	454,806	2,278	21
422,808	14,678,386	2,397,718	553,472	118,305	1,120,572	3,034,575	13,221	22
1.75	60.72	9.92	2.29	0.49	4.64	12.55	0.05	23
—	2,974,156	—	1,994	555,466	—	28,512	—	24
—	190,893	—	—	—	—	—	—	25
20,200	4,839	899,917 ²	—	—	—	19,671	—	26
3,804	43,169	38,358	—	—	—	—	—	27
24,004	3,213,057	938,275	1,994	555,466	—	48,183	—	28
—	10,429	18,630	3,890	292	815	29,779	900	29
—	3,097	5,127	1,307	—	154	9,412	153	30
3,685	17,826	58,218	65	—	1,722	21,883	—	31
—	—	—	—	—	—	—	—	32
—	740	3,298	115	—	3	2,394	—	33
3,685	32,092	85,273	5,377	292	2,694	63,468	1,053	34
4,289	432,374	314,850	2,018	—	54	170,707	2,128	35
7,974	464,466	400,123	7,395	292	2,748	234,175	3,181	36
0.70	40.65	35.02	0.65	0.02	0.24	20.49	0.28	37
—	—	—	—	—	—	—	—	38
—	—	—	—	—	—	—	—	39
980	—	43,573	—	—	—	—	—	40
—	—	—	—	—	—	—	—	41
980	—	43,573	—	—	—	—	—	42

2. Ontario is credited with exports of 625,612 thousand kwh to the United States, which were purchased from Quebec.

TABLE 6. Customers at End of Year, 1956

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:				
	Ultimate customers in Canada:				
1	Domestic and farm ¹	3,833,913	48,906	14,062	154,231
2	Commercial	491,044	5,147	2,729	20,535
3	Power	96,982	652	81	5,595
4	Street lighting	4,540	18	20	115
5	Total ultimate customers	4,426,479	54,723	16,892	180,476
6	Per cent of total for Canada	100.00	1.24	0.38	4.08
	Electric utilities:				
	Publicly and privately-operated:				
	Ultimate customers in Canada:				
7	Domestic and farm ¹	3,820,537	47,746	14,062	154,231
8	Commercial	490,050	5,039	2,729	20,535
9	Power	96,858	604	81	5,594
10	Street lighting	4,514	17	20	115
11	Total ultimate customers	4,411,959	53,406	16,892	180,475
12	Per cent of total for Canada	100.00	1.21	0.38	4.09
	Publicly-operated:				
	Ultimate customers in Canada:				
13	Domestic and farm ¹	2,657,074	413	2,891	57,742
14	Commercial	338,371	65	300	8,772
15	Power	66,270	7	63	1,409
16	Street lighting	2,425	1	1	50
17	Total ultimate customers	3,064,140	486	3,255	67,973
18	Per cent of total for Canada	100.00	0.02	0.10	2.22
	Privately-operated:				
	Ultimate customers in Canada:				
19	Domestic and farm ¹	1,163,463	47,333	11,171	96,489
20	Commercial	151,679	4,974	2,429	11,763
21	Power	30,588	597	18	4,185
22	Street lighting	2,089	16	19	65
23	Total ultimate customers	1,347,819	52,920	13,637	112,502
24	Per cent of total for Canada	100.00	3.93	1.01	8.35
	Industrial establishments:				
	Ultimate customers in Canada:				
25	Domestic and farm ¹	13,376	1,160	—	—
26	Commercial	994	108	—	—
27	Power	124	48	—	1
28	Street lighting	26	1	—	—
29	Total ultimate customers	14,520	1,317	—	1
30	Per cent of total for Canada	100.00	9.07	—	0.01

1. Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 6. Customers at End of Year, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
120,537	1,034,157	1,492,986	208,039	169,527	222,222	366,438	2,808	1
13,367	126,053	168,338	30,259	30,826	37,254	56,033	503	2
2,026	17,645	25,644	15,483	5,028	16,426	8,256	1,463	3
122	1,538	734	528	781	480	197	7	4
136,052	1,179,393	1,687,702	254,309	206,162	276,382	430,924	3,464	5
3.07	26.64	38.13	5.75	4.66	6.24	9.73	0.08	6
120,537	1,031,398	1,489,386	207,396	169,446	221,562	362,021	2,752	7
13,367	125,757	168,124	30,206	30,826	37,232	55,734	501	8
2,025	17,627	25,629	15,482	5,028	16,423	8,219	146	9
122	1,531	727	526	781	479	189	7	10
136,051	1,176,313	1,683,866	253,610	206,081	275,696	426,163	3,406	11
3.08	26.66	38.17	5.75	4.67	6.25	9.66	0.08	12
97,764	468,262	1,457,014	204,468	159,144	122,159	87,004	213	13
10,206	60,706	164,544	29,920	29,680	19,688	14,400	90	14
1,654	8,653	25,357	15,433	4,742	6,691	2,249	12	15
106	130	704	524	770	12	126	1	16
109,730	537,751	1,647,619	250,345	194,336	148,550	103,779	316	17
3.58	17.55	53.77	8.17	6.34	4.85	3.39	0.01	18
22,773	563,136	32,372	2,928	10,302	99,403	275,017	2,539	19
3,161	65,051	3,580	286	1,146	17,544	41,334	411	20
371	8,974	272	49	286	9,732	5,970	134	21
16	1,401	23	2	11	467	63	6	22
26,321	638,562	36,247	3,265	11,745	127,146	322,384	3,090	23
1.95	47.38	2.69	0.24	0.87	9.43	23.92	0.23	24
—	2,759	3,600	643	81	660	4,417	56	25
—	296	214	53	—	22	299	2	26
1	18	15	1	—	3	37	—	27
—	7	7	2	—	1	8	—	28
1	3,080	3,836	699	81	686	4,761	58	29
0.01	21.21	26.42	4.81	0.56	4.72	32.79	0.40	30

TABLE 7. Revenue From Sale of Electricity, 1956

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		Thousands of dollars			
	Electric utilities and industrial establishments:				
	Revenue from ultimate customers in Canada:				
1	Domestic and farm ¹	235,446	2,944	921	8,680
2	Commercial	108,563	1,019	609	4,187
3	Power—excluding deliveries to electric boilers	239,956	4,416	233	8,956
4	—deliveries to electric boilers	1,779	—	—	1
5	Street lighting	11,244	107	38	409
6	Total revenue from ultimate customers	596,988	8,486	1,801	22,233
7	Per cent of total for Canada	100.00	1.42	0.30	3.73
	Revenue from electricity exported:				
8	To other provinces—primary	xxx	—	—	159
9	—secondary	xxx	—	—	—
10	To United States—primary	4,544	—	—	—
11	—secondary	12,308	—	—	—
12	Total revenue from exports	16,852	—	—	159
13	Total (Ultimate customers and Exports)	613,840	8,486	1,801	22,392
	Electric utilities:				
	Publicly and privately operated:				
	Revenue from ultimate customers in Canada:				
14	Domestic and farm ¹	234,312	2,720	921	8,680
15	Commercial	108,185	976	609	4,187
16	Power—excluding deliveries to electric boilers..	239,278	4,395	233	8,896
17	—deliveries to electric boilers	1,779	—	—	1
18	Street lighting	11,215	107	38	409
19	Total revenue from ultimate customers	594,769	8,198	1,801	22,173
20	Per cent of total for Canada	100.00	1.38	0.30	3.73
	Revenue from electricity exported:				
21	To other provinces—primary	xxx	—	—	159
22	—secondary	xxx	—	—	—
23	To United States—primary	4,400	—	—	—
24	—secondary	12,308	—	—	—
25	Total revenue from exports	16,708	—	—	159
26	Total (Ultimate customers and Exports)	611,477	8,198	1,801	22,332
	Publicly-operated:				
	Revenue from ultimate customers in Canada:				
27	Domestic and farm ¹	162,365	22	205	2,774
28	Commercial	73,417	12	80	1,179
29	Power—excluding deliveries to electric boilers..	148,134	1	46	2,599
30	—deliveries to electric boilers	564	—	—	1
31	Street lighting	8,015	2	4	111
32	Total revenue from ultimate customers	392,495	37	335	6,664
33	Per cent of total for Canada	100.00	0.01	0.09	1.70

1. Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

2. Ontario received \$1,625,563 for exports to United States which were purchased from Quebec.

TABLE 7. Revenue From Sale of Electricity, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
Thousands of dollars								
7,335	50,129	95,942	13,520	12,690	12,573	30,271	441	1
2,680	26,855	37,613	5,274	5,826	8,660	15,662	178	2
5,820	76,059	100,673	9,138	5,369	12,916	15,340	1,036	3
—	1,579	139	28	—	10	—	22	4
361	2,343	5,121	519	572	742	1,020	12	5
16,196	156,965	239,488	28,479	24,457	34,901	62,293	1,689	6
2.71	26.29	40.12	4.77	4.10	5.85	10.43	0.28	7
—	12,760 ²	110	33	1,292	—	92	—	8
—	1,781	24	382	—	—	—	—	9
145	68	4,257 ²	3	—	—	74	—	10
25	253	12,030	—	—	—	—	—	11
170	14,862	16,421	415	1,292	—	166	—	12
16,366	171,827	255,909	28,894	25,749	34,901	62,459	1,689	13
7,335	49,923	95,679	13,484	12,687	12,530	29,921	432	14
2,680	26,780	37,544	5,261	5,826	8,652	15,502	168	15
5,800	75,938	100,514	9,137	5,369	12,891	15,069	1,036	16
—	1,579	139	28	—	10	—	22	17
361	2,331	5,113	519	572	742	1,011	12	18
16,176	156,551	238,989	28,429	24,454	34,825	61,503	1,670	19
2.72	26.31	40.16	4.78	4.11	5.86	10.34	0.29	20
—	12,760 ²	110	33	1,292	—	92	—	21
—	1,781	24	382	—	—	—	—	22
141	68	4,117	3	—	—	74	—	23
25	253	12,030	—	—	—	—	—	24
166	14,862	16,281	415	1,292	—	166	—	25
16,342	171,413	255,270	28,844	25,746	34,825	61,669	1,670	26
5,683	21,677	93,848	13,190	11,883	5,984	7,067	32	27
1,576	14,119	36,687	5,163	5,481	5,061	4,025	34	28
4,095	26,408	92,149	8,091	4,788	4,993	4,001	963	29
—	364	139	28	—	10	—	22	30
222	908	5,036	514	540	380	297	1	31
11,576	63,476	227,859	26,986	22,692	16,428	15,390	1,052	32
2.95	16.17	58.05	6.87	5.78	4.19	3.92	0.27	33

3. Revenue less than \$1,000.

TABLE 7. Revenue From Sale of Electricity, 1956 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		Thousands of dollars			
	Electric utilities — Concluded:				
	Publicly-operated — concluded:				
	Revenue from electricity exported:				
1	To other provinces — primary	xxx	—	—	—
2	— secondary	xxx	—	—	—
3	To United States — primary	1,704	—	—	—
4	— secondary	11,906	—	—	—
5	Total revenue from exports	13,610	—	—	—
6	Total (Ultimate customers and Exports)	406,105	37	335	6,664
	Privately-operated:				
	Revenue from ultimate customers in Canada:				
7	Domestic and farm ¹	71,947	2,698	716	5,906
8	Commercial	34,768	964	529	3,008
9	Power—excluding deliveries to electric boilers..	91,144	4,394	187	6,297
10	— deliveries to electric boilers	1,215	—	—	—
11	Street lighting	3,200	105	34	298
12	Total revenue from ultimate customers	202,274	8,161	1,466	15,509
13	Per cent of total for Canada	100.00	4.03	0.73	7.67
	Revenue from electricity exported:				
14	To other provinces — primary	xxx	—	—	159
15	— secondary	xxx	—	—	—
16	To United States — primary	2,696	—	—	—
17	— secondary	402	—	—	—
18	Total revenue from exports	3,098	—	—	159
19	Total (Ultimate customers and Exports)	205,372	8,161	1,466	15,668
	Industrial establishments:				
	Revenue from ultimate customers in Canada:				
20	Domestic and farm ¹	1,134	224	—	—
21	Commercial	378	43	—	—
22	Power—excluding deliveries to electric boilers ...	678	21	—	60
23	— deliveries to electric boilers	—	—	—	—
24	Street lighting	29	—	—	—
25	Total revenue from ultimate customers	2,219	288	—	60
26	Per cent of total for Canada	100.00	12.98	—	2.70
	Revenue from electricity exported:				
27	To other provinces — primary	—	—	—	—
28	— secondary	—	—	—	—
29	To United States — primary	144	—	—	—
30	— secondary	—	—	—	—
31	Total revenue from exports	144	—	—	—
32	Total (Ultimate customers and Exports)	2,363	288	—	60

1. Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

2. Ontario received \$1,625,563 for exports to United States which were purchased from Quebec.

TABLE 7. Revenue From Sale of Electricity, 1956 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
Thousands of dollars								
—	3,481	110	—	—	—	—	—	1
—	1,316	24	382	—	—	—	—	2
1	—	1,703 ²	3	—	—	—	—	3
—	—	11,906	—	—	—	—	—	4
1	4,797	13,743	382	—	—	—	—	5
11,577	68,273	241,602	27,368	22,692	16,428	15,390	1,052	6
1,652	28,246	1,831	294	804	6,546	22,854	400	7
1,104	12,661	857	98	345	3,591	11,477	134	8
1,705	49,530	8,365	1,046	581	7,898	11,068	73	9
—	1,215	—	—	—	—	—	—	10
139	1,423	77	5	32	362	714	11	11
4,600	93,075	11,130	1,443	1,762	18,397	46,113	618	12
2.27	46.01	5.50	0.71	0.87	9.10	22.80	0.31	13
—	9,279	—	33	1,292	—	92	—	14
—	465	—	—	—	—	—	—	15
140	68	2,414	—	—	—	74	—	16
25	253	124	—	—	—	—	—	17
165	10,065	2,538	33	1,292	—	166	—	18
4,765	103,140	13,668	1,476	3,054	18,397	46,279	618	19
—	206	263	36	3	43	350	9	20
—	75	69	13	—	8	160	10	21
20	121	159	1	—	25	271	—	22
—	—	—	—	—	—	—	—	23
—	12	8	—	—	—	9	—	24
20	414	499	50	3	76	790	19	25
0.90	18.66	22.49	2.25	0.14	3.42	35.60	0.86	26
—	—	—	—	—	—	—	—	27
—	—	—	—	—	—	—	—	28
4	—	140	—	—	—	—	—	29
—	—	—	—	—	—	—	—	30
4	—	140	—	—	—	—	—	31
24	414	639	50	3	76	790	19	32

3. Revenue less than \$1,000.

TABLE 8. Domestic and Farm Service, 1939-1956¹

No.			Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments (publicly and privately-operated):					
	Customers:					
1	1939	No.	1,623,672	2	5,067	62,034
2	1945	"	1,987,360	2	6,387	84,011
3	1955	"	3,645,313	46,475	13,205	150,727
4	1956	"	3,833,913	48,906	14,062	154,231
	Kilowatt-hours sold:					
5	1939	'000 kwh	2,310,891	2	2,908	39,084
6	1945	"	3,365,497	2	5,217	70,099
7	1955	"	12,759,657	103,400	15,789	281,846
8	1956	"	14,337,628	121,714	18,957	319,243
	Revenue received:					
9	1939	\$'000	43,793	2	163	1,709
10	1945	"	55,736	2	239	2,286
11	1955	"	211,533	2,515	887	7,909
12	1956	"	235,446	2,944	921	8,680
	Kilowatt-hours per customer:					
13	1939	kwh	1,423	2	574	630
14	1945	"	1,693	2	817	834
15	1955	"	3,500	2,225	1,196	1,870
16	1956	"	3,740	2,489	1,348	2,070
	Average annual bill:					
17	1939	\$	26.97	2	32.21	27.56
18	1945	\$	28.05	2	37.35	27.21
19	1955	\$	58.03	54.12	67.17	52.47
20	1956	\$	61.41	60.20	65.50	56.28
	Revenue per kilowatt-hour:					
21	1939	cents	1.90	2	5.61	4.37
22	1945	"	1.66	2	4.57	3.26
23	1955	"	1.66	2.43	5.62	2.81
24	1956	"	1.64	2.42	4.86	2.72
	Farm service, 1956 ¹ :					
25	Customers	No.	466,697	928	5,929	23,944
26	Kilowatt-hours sold	'000 kwh	1,428,125	1,146	6,887	22,593
27	Revenue received	\$'000	34,887	64	365	986
28	Kilowatt-hours per customer	kwh	3,060	1,235	1,162	944
29	Average annual bill	\$	74.75	68.97	61.56	41.18
30	Revenue per kilowatt-hour	cents	2.44	5.58	5.30	4.36

1. Many utilities cannot distinguish between domestic and farm as they do not keep separate records. At the bottom of the page, however, farm figures are tabulated as reported.

TABLE 8. Domestic and Farm Service, 1939-1956¹

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
46,485	434,825	719,871	81,091	49,980	68,267	156,052	2	1
62,175	558,865	839,968	94,673	61,285	87,005	192,991	2	2
117,926	987,377	1,417,687	199,111	150,561	212,172	347,417	2,655	3
120,537	1,034,157	1,492,986	208,039	169,527	222,222	366,438	2,808	4
26,989	311,420	1,374,325	320,827	41,198	42,210	151,930	2	5
45,958	507,274	1,963,043	416,499	58,402	63,962	235,043	2	6
171,052	2,689,760	6,360,522	1,079,155	373,822	418,970	1,256,002	9,339	7
195,768	3,104,970	7,049,217	1,172,579	400,215	501,260	1,445,059	8,646	8
1,308	9,167	19,658	3,312	2,004	2,145	4,327	2	9
1,883	11,926	23,699	4,238	2,566	2,932	5,967	2	10
6,630	44,791	86,884	12,736	10,969	11,074	26,662	476	11
7,335	50,129	95,942	13,520	12,690	12,573	30,271	441	12
581	716	1,909	3,956	824	618	974	2	13
739	908	2,337	4,399	953	735	1,218	2	14
1,451	2,724	4,487	5,420	2,483	1,975	3,615	3,518	15
1,624	3,002	4,722	5,636	2,361	2,256	3,944	3,079	16
28.13	21.08	27.31	40.84	40.10	31.42	27.73	2	17
30.29	21.34	28.21	44.76	41.87	33.70	30.92	2	18
56.22	45.36	61.29	63.96	72.85	52.19	76.74	179.28	19
60.85	48.47	64.26	64.99	74.86	56.58	82.61	157.05	20
4.85	2.94	1.43	1.03	4.87	5.08	2.85	2	21
4.10	2.35	1.21	1.02	4.39	4.59	2.54	2	22
3.88	1.67	1.37	1.18	2.93	2.64	2.12	5.10	23
3.75	1.61	1.36	1.15	3.17	2.51	2.09	5.10	24
43,129	104,942	152,382	38,091	38,495	35,005	23,852	—	25
61,853	193,091	691,162	148,962	85,351	113,951	103,129	—	26
2,621	5,137	14,341	3,159	3,502	2,605	2,107	—	27
1,434	1,840	4,536	3,911	2,217	3,255	4,324	—	28
60.76	48.95	94.11	82.93	90.97	74.42	88.34	—	29
4.24	2.66	2.07	2.12	4.10	2.29	2.04	—	30

2. Data not available.

TABLE 9. Pole Line Mileage at End of Year, 1956

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities (Publicly and privately-operated):				
1	Steel—towers	9,913	64	—	21
2	— poles	217	47	—	1
3	Aluminum—towers	—	—	—	—
4	— poles	174	—	—	—
5	Wood poles	250,786	1,989	1,054	9,877
6	Concrete poles	550	10	—	—
7	Other	57	—	—	—
8	Cable (underground and submarine)	3,692	10	—	29
9	Total pole line mileage	265,389	2,120	1,054	9,928
10	Per cent of total for Canada	100.00	0.80	0.40	3.74

TABLE 10. Circuit Mileage of Electric Line at End of Year, 1956

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities (Publicly and privately-operated):				
1	22,000- 49,900 volts	27,075	1,555	42	991
2	50,000- 99,900 volts	10,534	250	—	663
3	100,000-149,900 volts	12,486	—	—	—
4	150,000-199,900 volts	419	—	—	—
5	200,000-249,900 volts	4,397	—	—	—
6	250,000-299,900 volts	—	—	—	—
7	300,000-349,900 volts	911	—	—	—
8	350,000 volts and over	—	—	—	—
9	Total circuit mileage ¹	55,822	1,805	42	1,654
10	Per cent of total for Canada	100.00	3.23	0.08	2.96

1. Includes all circuits, overhead or underground, of 22,000 volts and over whether described as transmission or distribution.

TABLE 11. Transformers With High Voltage Rating of 15 KV or Over at End of Year, 1956

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities (Publicly and privately-operated):				
1	Number	82,688	154	3	1,010
2	Total Kva	37,667,449	355,446	4,500	754,468

TABLE 9. Pole Line Mileage at End of Year, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
433	2,500	5,230	979	15	49	622	—	1
—	77	73	3	16	—	—	—	2
—	—	—	—	—	—	—	—	3
7	84	83	—	—	—	—	—	4
8,846	35,581	64,013	33,098	44,433	37,476	14,224	195	5
—	5	534	—	1	—	—	—	6
—	—	57	—	—	—	—	—	7
7	1,252	1,588	152	51	268	334	1	8
9,293	39,499	71,578	34,232	44,516	37,793	15,180	196	9
3.50	14.88	26.97	12.90	16.78	14.24	5.72	0.07	10

TABLE 10. Circuit Mileage of Electric Line at End of Year, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
138	3,010	6,649	1,638	7,187	5,650	212	3	1
1,070	2,035	219	1,489	1,355	1,381	2,072	—	2
104	2,330	6,319	1,780	24	1,032	775	122	3
—	419	—	—	—	—	—	—	4
—	890	3,252	—	—	—	255	—	5
—	—	—	—	—	—	—	—	6
—	760	—	—	—	—	151	—	7
—	—	—	—	—	—	—	—	8
1,312	9,444	16,439	4,907	8,566	8,063	3,465	125	9
2.35	16.92	29.45	8.79	15.35	14.44	6.21	0.22	10

TABLE 11. Transformers With High Voltage Rating of 15 KV or Over at End of Year, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
253	3,185	27,248	907	39,131	9,062	1,714	21	1
388,127	4,870,927	26,337,733	1,927,623	646,368	1,674,114	684,443	23,700	2

TABLE 12. Fuel Used to Generate Electricity, 1956

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities (Publicly and privately-operated):				
	Quantity of fuel:				
	Coal:				
1	Bituminous—Canadian short tons	691,116	—	—	399,080
2	—imported " "	469,350	—	—	—
3	Sub-bituminous " "	186,477	—	—	—
4	Saskatchewan lignite " "	225,838	—	—	—
5	Other " "	22,404	—	—	—
6	Total coal " "	1,595,185	—	—	399,080
	Petroleum fuels:				
7	Furnace fuel oil—light imp. gallons	685,357	11,500	—	78,767
8	—heavy " "	34,440,624	215,436	—	9,279,182
9	Diesel fuel oil " "	13,255,763	23,646	555,900	157,126
10	Other " "	23,995,076	—	4,102,306	—
11	Total petroleum fuels " "	72,376,820	250,582	4,658,206	9,515,075
	Gas:				
12	Natural '000 cu. ft.	16,333,235	—	—	—
13	Manufactured " "	—	—	—	—
14	Total gas " "	16,333,235	—	—	—
	Cost of fuel:				
	Coal:				
15	Bituminous—Canadian \$	6,489,613	—	—	3,708,218
16	—imported \$	3,950,617	—	—	—
17	Sub-bituminous \$	609,550	—	—	—
18	Saskatchewan lignite \$	293,089	—	—	—
19	Other \$	91,856	—	—	—
20	Total coal \$	11,434,725	—	—	3,708,218
	Petroleum fuels:				
21	Furnace fuel oil—light \$	104,805	2,344	—	12,816
22	—heavy \$	2,012,598	32,417	—	650,264
23	Diesel fuel oil \$	2,788,094	5,419	102,874	31,466
24	Other \$	1,541,244	—	280,279	—
25	Total petroleum fuels \$	6,446,741	40,180	383,153	694,546
	Gas:				
26	Natural \$	2,466,027	—	—	—
27	Manufactured \$	—	—	—	—
28	Total gas \$	2,466,027	—	—	—
29	Other fuels \$	—	—	—	—
30	Total—all fuels \$	20,347,493	40,180	383,153	4,402,764
31	Per cent of total for Canada	100.00	0.20	1.88	21.64

TABLE 12. Fuel Used to Generate Electricity, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
289,548	—	—	123	—	1,478	887	—	1
—	—	469,350	—	—	—	—	—	2
—	—	—	—	107,701	78,776	—	—	3
—	—	—	609	225,229	—	—	—	4
—	—	—	—	22,404	—	—	—	5
289,548	—	469,350	732	355,334	80,254	887	—	6
62,060	—	533,030	—	—	—	—	—	7
1,240,422	—	—	—	23,485,284	220,300	—	—	8
415,027	1,207,577	443,972	241,443	1,680,735	628,938	7,776,475	124,924	9
481,211	—	—	—	18,557,559	—	854,000	—	10
2,198,720	1,207,577	977,002	241,443	43,723,578	849,238	8,630,475	124,924	11
—	—	—	—	2,436,411	13,685,424	211,400	—	12
—	—	—	—	—	—	—	—	13
—	—	—	—	2,436,411	13,685,424	211,400	—	14
2,760,480	—	—	1,383	—	8,616	10,916	—	15
—	—	3,950,617	—	—	—	—	—	16
—	—	—	—	503,458	106,092	—	—	17
—	—	—	2,980	290,109	—	—	—	18
—	—	—	—	91,856	—	—	—	19
2,760,480	—	3,950,617	4,363	885,423	114,708	10,916	—	20
10,550	—	79,095	—	—	—	—	—	21
103,833	—	—	—	1,213,045	13,039	—	—	22
82,883	278,655	97,254	48,159	262,701	120,063	1,729,328	29,292	23
54,730	—	—	—	1,141,081	—	65,154	—	24
251,996	278,655	176,349	48,159	2,616,827	133,102	1,794,482	29,292	25
—	—	—	—	650,034	1,714,090	101,903	—	26
—	—	—	—	—	—	—	—	27
—	—	—	—	650,034	1,714,090	101,903	—	28
—	—	—	—	—	—	—	—	29
3,012,476	278,655	4,126,966	52,522	4,152,284	1,961,900	1,907,301	29,292	30
14.81	1.37	20.28	0.26	20.41	9.64	9.37	0.14	31

TABLE 12. Fuel Used to Generate Electricity, 1956—Concluded

No.			Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities (Publicly and privately-operated) — Concluded:					
	Average BTU content of fuel:					
	Coal:					
1	Bituminous—Canadian	per pound	11,608	—	—	11,682
2	— imported	" "	12,213	—	—	—
3	Sub-bituminous	" "	8,757	—	—	—
4	Saskatchewan lignite	" "	6,828	—	—	—
5	Other	" "	8,300	—	—	—
	Petroleum fuels:					
6	Furnace fuel oil—light	per imp. gal.	163,421	167,790	—	169,944
7	— heavy	" "	184,254	173,085	—	183,000
8	Diesel fuel oil	" "	165,575	167,790	165,000	164,020
9	Other	" "	161,996	—	181,000	—
	Gas:					
10	Natural	per stand.cu. ft. ¹	991	—	—	—
11	Manufactured	" "	—	—	—	—
	Energy generated ² :					
	By coal:					
12	Bituminous—Canadian	'000 kwh.	1,020,237	—	—	602,416
13	— imported	"	927,621	—	—	—
14	Sub-bituminous	"	190,053	—	—	—
15	Saskatchewan lignite	"	189,803	—	—	—
16	Other	"	41,195	—	—	—
17	Total coal	"	2,368,909	—	—	602,416
	By petroleum fuels:					
18	Furnace fuel oil—light	'000 kwh.	6,228	73	—	565
19	— heavy	"	390,290	2,099	—	156,084
20	Diesel fuel oil	"	184,226	795	7,572	1,939
21	Other	"	304,888	—	43,783	—
22	Total petroleum fuels	"	885,632	2,967	51,355	158,588
	By gas:					
23	Natural	'000 kwh.	1,148,989	—	—	—
24	Manufactured	"	—	—	—	—
25	Total gas	"	1,148,989	—	—	—
26	By other fuels	"	—	—	—	—
27	Total—all fuels	"	4,403,530	2,967	51,355	761,004
28	Per cent of total for Canada		100.00	0.07	1.17	17.28

1. Standard cubic foot—760mm. mercury, 60°F.

2. Net output after deducting station service.

TABLE 12. Fuel Used to Generate Electricity, 1956—Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
11,500	—	—	12,850	—	12,000	12,440	—	1
—	—	12,213	—	—	—	—	—	2
—	—	—	—	8,850	8,250	—	—	3
—	—	—	7,195	6,827	—	—	—	4
—	—	—	—	8,300	—	—	—	5
—	—	162,363	—	—	—	—	—	6
181,428	—	—	—	185,000	184,331	—	—	7
162,144	165,000	164,000	168,275	170,000	158,967	165,424	164,492	8
184,380	—	—	—	156,800	—	171,000	—	9
—	—	—	—	950	998	1,000	—	10
—	—	—	—	—	—	—	—	11
409,429	—	—	5	—	1,249	7,138	—	12
—	—	927,621	—	—	—	—	—	13
—	—	—	—	114,211	75,842	—	—	14
—	—	—	96	189,707	—	—	—	15
—	—	—	—	41,195	—	—	—	16
409,429	—	927,621	101	345,113	77,091	7,138	—	17
—	—	5,590	—	—	—	—	—	18
18,446	—	—	—	210,886	2,775	—	—	19
5,243	19,345	4,957	3,148	20,233	7,933	111,188	1,873	20
8,504	—	—	—	244,323	—	8,278	—	21
32,193	19,345	10,547	3,148	475,442	10,708	119,466	1,873	22
—	—	—	—	174,965	953,544	20,480	—	23
—	—	—	—	—	—	—	—	24
—	—	—	—	174,965	953,544	20,480	—	25
—	—	—	—	—	—	—	—	26
441,622	19,345	938,168	3,249	995,520	1,041,343	147,084	1,873	27
10.03	0.44	21.30	0.07	22.61	23.65	3.34	0.04	28

TABLE 13. Employees, Wages, and Salaries, 1956

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric Utilities (Publicly and privately-operated):				
	Employees (end of year excluding construction employees):				
1	Administrative	15,630	145	83	452
2	Operating	20,488	462	106	1,090
3	Total employees	36,118	607	189	1,542
4	Per cent of total for Canada	100.00	1.68	0.52	4.27
	Wages and salaries (excluding construction employees):				
5	Administrative \$'000	72,727	487	267	1,427
6	Operating "	75,796	1,157	240	3,094
7	Total wages and salaries "	148,523	1,644	507	4,521
8	Per cent of total for Canada	100.00	1.11	0.34	3.04
	Publicly-operated:				
	Employees (end of year excluding construction employees):				
9	Administrative	11,327	—	6	178
10	Operating	14,120	—	20	451
11	Total employees	25,447	—	26	629
12	Per cent of total for Canada	100.00	—	0.10	2.47
	Wages and salaries (excluding construction employees):				
13	Administrative \$'000	43,952	—	14	550
14	Operating "	52,963	—	40	910
15	Total wages and salaries "	96,915	—	54	1,460
16	Per cent of total for Canada	100.00	—	0.06	1.51
	Privately-operated:				
	Employees (end of year excluding construction employees):				
17	Administrative	4,303	145	77	274
18	Operating	6,368	462	86	639
19	Total employees	10,671	607	163	913
20	Per cent of total for Canada	100.00	5.69	1.53	8.55
	Wages and salaries (excluding construction employees):				
21	Administrative \$'000	28,775	487	253	877
22	Operating "	22,833	1,157	200	2,184
23	Total wages and salaries "	51,608	1,644	453	3,061
24	Per cent of total for Canada	100.00	3.18	0.88	5.93

TABLE 13. Employees, Wages, and Salaries, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
420	4,074	7,389	817	469	642	1,107	32	1
744	4,673	8,567	1,345	961	956	1,538	46	2
1,164	8,747	15,956	2,162	1,430	1,598	2,645	78	3
3.22	24.22	44.18	5.99	3.96	4.42	7.32	0.22	4
1,480	15,986	30,781	2,846	1,554	2,052	15,730	117	5
2,443	15,882	34,415	4,655	3,806	3,391	6,541	172	6
3,923	31,868	65,196	7,501	5,360	5,443	22,271	289	7
2.64	21.46	43.90	5.05	3.61	3.66	15.00	0.19	8
376	1,676	7,271	814	443	251	295	17	9
637	1,686	8,291	1,345	842	324	500	24	10
1,013	3,362	15,562	2,159	1,285	575	795	41	11
3.98	13.21	61.16	8.49	5.05	2.26	3.12	0.16	12
1,328	5,710	30,286	2,836	1,423	714	1,023	68	13
2,067	5,677	33,218	4,655	3,291	1,165	1,857	83	14
3,395	11,387	63,504	7,491	4,714	1,879	2,880	151	15
3.50	11.75	65.52	7.73	4.86	1.94	2.97	0.16	16
44	2,398	118	3	26	391	812	15	17
107	2,987	276	—	119	632	1,038	22	18
151	5,385	394	3	145	1,023	1,850	37	19
1.41	50.46	3.69	0.03	1.36	9.59	17.34	0.35	20
152	10,276	495	10	131	1,338	14,707	49	21
376	10,205	1,197	—	515	2,226	4,684	89	22
528	20,481	1,692	10	646	3,564	19,391	138	23
1.02	39.69	3.28	0.02	1.25	6.91	37.57	0.27	24

TABLE 14. Assets and Liabilities at End of Year, 1956

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		Thousands of dollars			
	Electric utilities (Publicly and privately-operated):				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	2,470,982	52,457	3,059	53,063
2	Transmission	993,169	10,327	337	16,100
3	Distribution	1,118,081	4,671	3,177	36,065
4	Other property and equipment	309,676	4,509	917	22,116
5	Total	4,891,908	71,964	7,490	127,344
6	Accumulated depreciation	813,055	7,326	1,076	19,145
7	Total, less depreciation	4,078,853	64,638	6,414	108,199
8	Other fixed assets, less depreciation	145,817	—	22	2,005
9	Total fixed assets	4,224,670	64,638	6,436	110,204
	Current Assets:				
10	Cash on hand and in banks	64,186	334	76	679
11	Temporary investments	75,461	955	—	1,260
12	Accounts receivable (net)	101,247	743	249	2,675
13	Inventories	81,894	876	225	2,247
14	Other	7,721	4	1	381
15	Total current assets	330,509	2,912	551	7,242
	Investments:				
16	In associated companies	29,860	236	—	2,384
17	Reserve fund investments	233,534	—	—	8,219
18	Other	19,129	4	—	75
19	Total investments	282,523	240	—	11,178
20	Deferred charges and prepaid expenses	208,835	256	14	390
21	Other assets	41,934	1,325	62	750
22	Total assets	5,088,471	69,371	7,063	129,764
	Liabilities:				
23	Long-term debt	3,039,528	33,642	2,475	70,236
	Current liabilities:				
24	Accounts payable and accrued liabilities	154,364	1,404	243	3,620
25	Loans and notes payable	85,168	3,158	904	2,519
26	Other	42,367	467	71	1,009
27	Total current liabilities	281,899	5,029	1,218	7,148
28	Reserves	461,078	104	37	17,001
29	Deferred credits and other liabilities	72,490	635	463	1,972
	Capital and surplus:				
30	Share capital	604,043	24,710	1,135	21,241
31	Surplus — capital	48,766	2,395	392	4,705
32	— earned	580,667	2,856	1,343	7,461
33	Total capital and surplus	1,233,476	29,961	2,870	33,407
34	Total liabilities	5,088,471	69,371	7,063	129,764

TABLE 14. Assets and Liabilities at End of Year, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
Thousands of dollars								
54,656	781,711	1,065,370	113,243	32,374	77,019	231,651	6,379	1
15,627	255,332	517,753	25,514	23,498	41,564	85,115	2,002	2
30,245	253,415	411,606	78,089	76,740	37,934	185,762	327	3
1,747	110,258	91,933	21,530	4,839	6,864	44,018	945	4
102,275	1,400,716	2,086,662	238,376	137,451	163,431	546,546	9,653	5
15,570	321,153	274,152	37,270	40,070	22,176	72,966	2,151	6
86,705	1,079,563	1,812,510	201,106	97,381	141,255	473,580	7,502	7
1,083	37,749	1,859	20,855	14,156	2,019	65,256	813	8
87,788	1,117,312	1,814,369	221,961	111,537	143,274	538,836	8,315	9
205	28,154	24,804	2,349	2,411	1,221	3,483	470	10
16	29,114	21,323	2,070	2,388	432	17,903	—	11
2,136	25,505	43,267	4,615	4,976	3,970	12,750	361	12
1,991	14,461	37,735	2,192	5,578	4,499	12,011	79	13
—	657	4,123	767	279	1,040	458	11	14
4,348	97,891	131,252	11,993	15,632	11,102	46,605	921	15
76	24,219	—	20	54	2,371	—	—	16
714	448	193,845	23,648	284	1,053	4,945	378	17
—	12,971	352	4,031	115	714	866	1	18
790	37,638	194,197	27,699	453	4,138	5,811	379	19
2,865	3,784	189,265	1,754	1,925	664	7,876	42	20
79	21,721	11,907	188	4,303	528	881	190	21
95,870	1,278,346	2,340,990	263,595	133,850	159,766	600,009	9,847	22
71,267	741,686	1,471,736	199,990	88,839	67,683	284,294	7,680	23
2,652	42,023	49,457	4,946	5,973	7,006	36,821	219	24
13,358	5,061	67	—	100	4,935	54,484	582	25
1,124	6,805	22,104	1,803	3,091	1,277	4,414	202	26
17,134	53,889	71,628	6,749	9,164	13,218	95,719	1,003	27
1,394	171,405	199,052	45,767	486	23,316	1,892	624	28
611	13,282	4,553	789	22,366	8,898	18,921	—	29
2,244	227,562	116,492	57	8,971	27,336	174,100	195	30
1,043	15,500	14,860	4,141	1,310	666	3,545	209	31
2,177	55,022	462,669	6,102	2,714	18,649	21,538	136	32
5,464	298,084	594,021	10,300	12,995	46,651	199,183	540	33
95,870	1,278,346	2,340,990	263,595	133,850	159,766	600,009	9,847	34

TABLE 14. Assets and Liabilities at End of Year, 1956 - Continued

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		Thousands of dollars			
	Publicly-operated:				
	Assets:				
	Fixed Assets:				
	Electric utility (at original cost):				
1	Generating plant	1,764,002	—	—	27,082
2	Transmission	724,533	—	—	5,255
3	Distribution	764,363	—	—	15,902
4	Other property and equipment	170,363	—	—	3,907
5	Total	3,423,261	—	—	52,146
6	Accumulated depreciation	484,838	—	—	1,566
7	Total, less depreciation	2,938,423	—	—	50,580
8	Other fixed assets, less depreciation	57,172	—	—	238
9	Total fixed assets	2,995,595	—	—	50,818
	Current assets:				
10	Cash on hand and in banks	53,778	—	—	164
11	Temporary investments	24,032	—	—	245
12	Accounts receivable (net)	69,533	—	—	1,136
13	Inventories	59,798	—	—	703
14	Other	6,918	—	—	128
15	Total current assets	214,059	—	—	2,376
	Investments:				
16	In associated companies	18	—	—	—
17	Reserve fund investments	232,867	—	—	8,219
18	Other	10,436	—	—	70
19	Total investments	243,321	—	—	8,289
20	Deferred charges and prepaid expenses	198,692	—	—	62
21	Other assets	26,288	—	—	58
22	Total assets	3,677,955	—	—	61,603
	Liabilities:				
23	Long-term debt	2,394,971	—	—	37,664
	Current liabilities:				
24	Accounts payable and accrued liabilities	87,177	—	—	814
25	Loans and notes payable	49,197	—	—	2,519
26	Other	32,995	—	—	451
27	Total current liabilities	169,369	—	—	3,784
28	Reserves	450,186	—	—	15,247
29	Deferred credits and other liabilities	30,735	—	—	298
	Capital and surplus:				
30	Share capital	119,550	—	—	34
31	Surplus — capital	42,700	—	—	4,173
32	— earned	470,444	—	—	403
33	Total capital and surplus	632,694	—	—	4,610
34	Total liabilities	3,677,955	—	—	61,603

TABLE 14. Assets and Liabilities at End of Year, 1956 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
Thousands of dollars								
52,943	395,836	1,040,210	113,243	22,696	15,424	90,469	6,099	1
15,153	114,591	510,672	25,514	22,536	6,644	22,166	2,002	2
26,224	134,494	405,335	77,828	68,263	11,053	25,264	—	3
1,596	47,810	85,223	21,447	4,098	2,190	3,167	925	4
95,916	692,731	2,041,440	238,032	117,593	35,311	141,066	9,026	5
13,719	126,025	259,334	37,116	27,761	5,339	11,882	2,096	6
82,197	566,706	1,782,106	200,916	89,832	29,972	129,184	6,930	7
847	16,689	43	20,855	14,156	379	3,176	789	8
83,044	583,395	1,782,149	221,771	103,988	30,351	132,360	7,719	9
105	23,216	23,590	2,345	2,306	553	1,099	400	10
16	47	19,594	2,070	2,046	—	14	—	11
1,824	12,416	41,782	4,576	4,816	872	1,922	189	12
1,875	8,100	37,379	2,192	5,289	1,516	2,674	70	13
—	369	3,994	767	277	1,009	372	2	14
3,820	44,148	126,339	11,950	14,734	3,950	6,081	661	15
—	3	—	15	—	—	—	—	16
714	231	193,845	23,648	284	603	4,945	378	17
—	6,086	128	4,031	115	—	6	—	18
714	6,320	193,973	27,694	399	603	4,951	378	19
2,849	1,242	188,752	1,754	1,859	33	2,102	39	20
79	10,070	11,157	188	4,303	258	—	175	21
90,506	645,175	2,302,370	263,357	125,283	35,195	145,494	8,972	22
70,119	433,981	1,452,063	199,990	85,374	12,565	95,535	7,680	23
2,312	19,850	47,750	4,738	5,401	1,072	5,054	186	24
13,147	308	67	—	—	430	32,508	218	25
1,080	491	22,015	1,803	3,023	589	3,366	177	26
16,539	20,649	69,832	6,541	8,424	2,091	40,928	581	27
1,312	167,877	198,934	45,767	486	18,713	1,226	624	28
586	428	4,047	789	22,264	1,129	1,194	—	29
—	6,218	105,360	27	7,401	80	430	—	30
1,024	15,341	14,371	4,141	1,310	—	2,340	—	31
926	681	457,763	6,102	24	617	3,841	87	32
1,950	22,240	577,494	10,270	8,735	697	6,611	87	33
90,506	645,175	2,302,370	263,357	125,283	35,195	145,494	8,972	34

TABLE 14. Assets and Liabilities at End of Year, 1936 — Concluded

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		Thousands of dollars			
	Privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	706,980	52,457	3,059	25,981
2	Transmission	268,636	10,327	337	10,845
3	Distribution	353,718	4,671	3,177	20,163
4	Other property and equipment	139,313	4,509	917	18,209
5	Total	1,468,647	71,964	7,490	75,198
6	Accumulated depreciation	328,217	7,326	1,076	17,579
7	Total, less depreciation	1,140,430	64,638	6,414	57,619
8	Other fixed assets, less depreciation	88,645	—	22	1,767
9	Total fixed assets	1,229,075	64,638	6,436	59,386
	Current assets:				
10	Cash on hand and in banks	10,408	334	76	515
11	Temporary investments	51,429	955	—	1,015
12	Accounts receivable (net)	31,714	743	249	1,539
13	Inventories	22,096	876	225	1,544
14	Other	803	4	1	253
15	Total current assets	116,450	2,912	551	4,866
	Investments:				
16	In associated companies	29,842	236	—	2,884
17	Reserve fund investments	667	—	—	—
18	Other	8,693	4	—	5
19	Total investments	39,202	240	—	2,889
20	Deferred charges and prepaid expenses	10,143	256	14	328
21	Other assets	15,646	1,325	62	692
22	Total assets	1,410,516	69,371	7,063	68,161
	Liabilities:				
23	Long-term debt	644,557	33,642	2,475	32,572
	Current Liabilities:				
24	Accounts payable and accrued liabilities	67,187	1,404	243	2,806
25	Loans and notes payable	35,971	3,158	904	—
26	Other	9,372	467	71	558
27	Total current liabilities	112,530	5,029	1,218	3,364
28	Reserves	10,892	104	37	1,754
29	Deferred credits and other liabilities	41,755	635	463	1,674
	Capital and surplus:				
30	Share capital	484,493	24,710	1,135	21,207
31	Surplus — capital	6,066	2,395	392	532
32	—earned	110,223	2,856	1,343	7,058
33	Total capital and surplus	600,782	29,961	2,870	28,797
34	Total liabilities	1,410,516	69,371	7,063	68,161

TABLE 14. Assets and Liabilities at End of Year, 1956 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
Thousands of dollars								
1,713	385,875	25,160	—	9,678	61,595	141,182	280	1
474	140,741	7,081	—	962	34,920	62,949	—	2
4,021	118,921	6,271	261	8,477	26,931	160,498	327	3
151	62,448	6,710	83	741	4,674	40,851	20	4
6,359	707,985	45,222	344	19,858	128,120	405,480	627	5
1,851	195,128	14,818	154	12,309	16,837	61,084	55	6
4,508	512,857	30,404	190	7,549	111,283	344,396	572	7
236	21,060	1,816	—	—	1,640	62,080	24	8
4,744	533,917	32,220	190	7,549	112,923	406,476	596	9
100	4,938	1,214	4	105	668	2,384	70	10
—	29,067	1,729	—	342	432	17,889	—	11
312	13,089	1,485	39	160	3,098	10,828	172	12
116	6,361	356	—	239	2,983	9,337	9	13
—	288	129	—	2	31	86	9	14
528	53,743	4,913	43	898	7,212	40,524	260	15
76	24,216	—	5	54	2,371	—	—	16
—	217	—	—	—	450	—	—	17
—	6,885	224	—	—	714	860	1	18
76	31,318	224	5	54	3,535	860	1	19
16	2,542	513	—	66	631	5,774	3	20
—	11,651	750	—	—	270	831	15	21
5,364	633,171	38,620	238	8,567	124,571	454,515	875	22
1,148	307,705	19,673	—	3,465	55,118	188,759	—	23
340	22,173	1,707	208	572	5,934	31,767	33	24
211	4,753	—	—	100	4,505	21,976	364	25
44	6,314	89	—	68	688	1,048	25	26
595	33,240	1,796	208	740	11,127	54,791	422	27
82	3,528	118	—	—	4,603	666	—	28
25	12,854	506	—	102	7,769	17,727	—	29
2,244	221,344	11,132	30	1,570	27,256	173,670	195	30
19	159	489	—	—	666	1,205	209	31
1,251	54,341	4,906	—	2,690	18,032	17,697	49	32
3,514	275,844	16,527	30	4,260	45,954	192,572	453	33
5,364	633,171	38,620	238	8,567	124,571	454,515	875	34

TABLE 15. Income Account, 1956

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		Thousands of dollars			
	Electric utilities (Publicly and privately-operated):				
	Operating revenue:				
1	Sale of electricity ¹	752,829	8,653	1,514	26,301
2	Other	36,428	138	871	204
3	Total operating revenue	789,257	8,791	2,385	26,505
	Operating expense:				
4	Operation, maintenance and administration	248,496	2,252	1,519	12,309
5	Power purchased	156,837	474	16	4,145
6	Depreciation	83,720	1,874	226	2,635
7	Total operating expense	489,053	4,600	1,761	19,089
8	Operating income	300,204	4,191	624	7,416
9	Other income	10,311	74	—	485
10	Total income	310,515	4,265	624	7,901
	Income deductions:				
11	Interest on long-term debt	105,886	1,254	99	2,897
12	Income tax	40,270	1,224	217	1,472
13	Other deductions	55,887	66	31	1,121
14	Total income deductions	202,043	2,544	347	5,490
15	Net income	108,472	1,721	277	2,411
	Publicly-operated:				
	Operating revenue:				
16	Sale of electricity ¹	517,829	—	—	8,937
17	Other	6,640	—	—	47
18	Total operating revenue	524,469	—	—	9,034
	Operating expense:				
19	Operation, maintenance and administration	148,529	—	—	3,453
20	Power purchased	127,558	—	—	2,507
21	Depreciation	51,187	—	—	224
22	Total operating expense	327,274	—	—	6,184
23	Operating income	197,195	—	—	2,850
24	Other income	2,719	—	—	20
25	Total income	199,914	—	—	2,870
	Income deductions:				
26	Interest on long-term debt	83,055	—	—	1,589
27	Income tax	3,489	—	—	—
28	Other deductions	53,135	—	—	972
29	Total income deductions	139,679	—	—	2,561
30	Net income	60,235	—	—	309
	Privately-operated:				
	Operating revenue:				
31	Sale of electricity ¹	235,000	8,653	1,514	17,314
32	Other	29,788	138	871	157
33	Total operating revenue	264,788	8,791	2,385	17,471
	Operating expense:				
34	Operation, maintenance and administration	99,967	2,252	1,519	8,856
35	Power purchased	29,279	474	16	1,638
36	Depreciation	32,533	1,874	226	2,411
37	Total operating expense	161,779	4,600	1,761	12,905
38	Operating income	103,009	4,191	624	4,566
39	Other income	7,592	74	—	465
40	Total income	110,601	4,265	624	5,031
	Income deductions:				
41	Interest on long-term debt	22,831	1,254	99	1,308
42	Income tax	36,781	1,224	217	1,472
43	Other deductions	2,752	66	31	149
44	Total income deductions	62,364	2,544	347	2,929
45	Net income	48,237	1,721	277	2,102

1. This table is a composite summation of all the reports received. Revenue from the sale of electricity, therefore, includes duplications arising from inter-utility sales and is larger than the revenue shown in Table 7.

TABLE 15. Income Account, 1956

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
Thousands of dollars								
17,425	192,135	339,458	34,342	27,459	41,253	62,720	1,569	1
100	5,014	1,722	2,570	117	533	25,136	23	2
17,525	197,149	341,180	36,912	27,576	41,786	87,856	1,592	3
8,354	55,800	88,484	13,183	12,569	12,232	41,375	419	4
3,640	24,528	104,342	7,944	2,164	7,259	2,195	130	5
2,123	23,808	27,007	6,455	4,203	3,588	11,364	437	6
14,117	104,136	219,833	27,582	18,936	23,079	54,934	986	7
3,408	93,013	121,347	9,330	8,640	18,707	32,922	606	8
52	3,801	33	1,061	481	479	3,845	—	9
3,460	96,814	121,380	10,391	9,121	19,186	36,767	606	10
2,255	22,585	53,200	6,902	3,410	2,627	10,418	239	11
212	20,901	1,544	—	372	4,258	10,050	20	12
122	5,649	44,753	1,073	407	1,185	1,480	—	13
2,589	49,135	99,497	7,975	4,189	8,070	21,948	259	14
871	47,679	21,883	2,416	4,932	11,116	14,819	347	15
14,535	72,455	327,895	33,941	24,282	19,770	14,865	1,099	16
97	1,899	1,586	2,569	65	260	98	19	17
14,632	74,354	329,481	36,510	24,347	20,030	14,963	1,118	18
7,560	15,471	85,628	13,152	10,890	5,864	6,289	222	19
2,182	4,623	101,002	7,586	2,132	6,700	808	18	20
1,964	9,532	25,885	6,442	3,685	671	2,386	398	21
11,706	29,626	212,515	27,180	16,707	13,235	9,483	638	22
2,926	44,728	116,966	9,330	7,640	6,795	5,480	480	23
—	754	29	1,061	452	186	217	—	24
2,926	45,482	116,995	10,391	8,092	6,981	5,697	480	25
2,206	12,542	52,512	6,902	3,230	745	3,099	230	26
—	3,482	—	—	—	—	7	—	27
114	3,802	44,629	1,073	406	1,056	1,083	—	28
2,320	19,826	97,141	7,975	3,636	1,801	4,189	230	29
606	25,656	19,854	2,416	4,456	5,180	1,508	250	30
2,890	119,680	11,563	401	3,177	21,483	47,855	470	31
3	3,115	136	1	52	273	25,038	4	32
2,893	122,795	11,699	402	3,229	21,756	72,893	474	33
794	40,329	2,856	31	1,679	6,368	35,086	197	34
1,458	19,905	3,340	358	32	559	1,387	112	35
159	14,276	1,122	13	518	2,917	8,978	39	36
2,411	74,510	7,318	402	2,229	9,844	45,451	348	37
482	48,285	4,381	—	1,000	11,912	27,442	126	38
52	3,047	4	—	29	293	3,628	—	39
534	51,332	4,385	—	1,029	12,205	31,070	126	40
49	10,043	688	—	180	1,882	7,319	9	41
212	17,419	1,544	—	372	4,258	10,043	20	42
8	1,847	124	—	1	129	397	—	43
269	29,309	2,356	—	553	6,269	17,759	29	44
265	22,023	2,029	—	476	5,936	13,311	97	45

TABLE 16. Taxes, 1956

	Canada	New-foundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
Thousands of dollars						
Electric utilities (Publicly and privately-operated):						
Municipal	12,705	50	45	1,022	190	5,190
Provincial	9,657	15	—	9	24	8,325
Federal	34,709	1,229	168	1,492	241	14,983
Total taxes	57,071	1,294	213	2,523	455	28,498
Per cent of total for Canada	100.00	2.27	0.37	4.42	0.80	49.93
Publicly-operated:						
Municipal	5,189	—	—	112	72	850
Provincial	3,181	—	—	1	2	2,807
Federal	1,594	—	1	2	6	188
Total taxes	9,964	—	1	115	80	3,845
Per cent of total for Canada	100.00	—	0.01	1.15	0.80	38.59
Privately-operated:						
Municipal	7,516	50	45	910	118	4,340
Provincial	6,476	15	—	8	22	5,518
Federal	33,115	1,229	167	1,490	235	14,795
Total taxes	47,107	1,294	212	2,408	375	24,653
Per cent of total for Canada	100.00	2.75	0.45	5.11	0.80	52.33
	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
Thousands of dollars						
Electric utilities (publicly and privately-operated):						
Municipal	2,829	482	294	1,077	1,525	1
Provincial	349	—	5	12	917	1
Federal	3,141	—	373	3,283	9,738	61
Total taxes	6,319	482	672	4,372	12,180	63
Per cent of total for Canada	11.07	0.85	1.18	7.66	21.34	0.11
Publicly-operated:						
Municipal	2,333	482	227	910	203	—
Provincial	346	—	—	—	25	—
Federal	1,397	—	—	—	—	—
Total taxes	4,076	482	227	910	228	—
Per cent of total for Canada	40.91	4.84	2.28	9.13	2.29	—
Privately-operated:						
Municipal	496	—	67	167	1,322	1
Provincial	3	—	5	12	892	1
Federal	1,744	—	373	3,283	9,738	61
Total taxes	2,243	—	445	3,462	11,952	63
Per cent of total for Canada	4.76	—	0.95	7.35	25.37	0.13

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CANADA

ELECTRIC POWER STATISTICS

1957

DOMINION BUREAU OF STATISTICS

Public Finance and Transportation Division

Transportation and Public Utilities Section

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ELECTRIC POWER STATISTICS
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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

.. Not available

... Not applicable

— Nil

ELECTRIC POWER STATISTICS

1957

Statistics presented in this report fall into two main categories: statistics based on the combined reports of electric utilities and industrial concerns, and statistics based on data received only from utilities. Utilities are defined as companies, commissions, municipalities or individuals whose primary function is to sell most of the electric energy which they have either generated or purchased. Together, they make up the electric utility industry. Industrial concerns are defined, for the purpose of this report, as companies or individuals which generate electricity mainly for use in own plant. Statistics based on the combined reports of both utilities and industrial establishments include generating capacity, production and disposal of electric energy, revenue received from the sale of electricity, and customers. Tables showing pole line and circuit mileage, transformers, fuel consumption, employees, wages and salaries as well as other financial data apply only to the electric utility industry.

The current series of electric power statistics dates back only to 1956. Earlier reports entitled "Central Electric Stations" excluded power produced by industrial establishments for own use, since the statistics related primarily to the electric utility industry. Data related to power sold by industrial establishments, however, was included. In the revised series, separate totals are shown for utilities and industries and the industrial totals include both power produced for own use and power sold. Also, power sold to other plants in the same organization is no longer treated as a power sale but is shown instead under power produced for own use. Figures relating to disposal of power and revenue received are therefore correspondingly reduced. In order to provide a basis for comparing current statistics with those presented in previous years, certain basic statistics were presented on both the old and the new basis in the 1956 report.

One further change has been introduced in this report. Because of the difficulty of separating losses of power reported by industrial producers into losses associated with sales and losses associated with production for own use, total industrial losses were shown in the 1956 report under "Disposal of Energy". In this report losses associated with power generated for own use are shown as a deduction in Table 4, "Energy Made Available" with the result that disposal of energy figures are correspondingly reduced.

Total installed generating capacity in Canada increased 8.0 per cent during 1957 to 17,168,614

kilowatts from 15,900,180* in 1956. Utilities reported a combined capacity of 13,444,450 kilowatts compared with 12,463,015 one year earlier while the total for industry went up to 3,724,164 kilowatts from 3,437,165*. Hydraulic installations comprised 14,517,704 kilowatts or 84.6 per cent of total installations, and thermal installations 2,650,910 kilowatts or 15.4 per cent.

Net generation, which is defined as total generation less power used in station service, rose to 91,030,880,000 kilowatt hours in 1957 from 88,366,063,000* in 1956, an increase of 2,664,817,000 kilowatt hours or 3.0 per cent. Electric utilities generated 71,522,994,000 kilowatt hours or 78.6 per cent of the total, while industrial establishments accounted for 19,507,886,000 kilowatt hours or 21.4 per cent. Hydro-electric generation represented 91.6 per cent of the total compared with 92.6 per cent in 1956, and thermal-electric generation, 8.4 per cent compared with 7.4 per cent.

The amount of power made available for use in Canada in 1957, at 86,770,297,000 kilowatt hours, was up 3.9 per cent from the 1956 total of 83,501,567,000*. Accompanying a drop in exports to 4,829,843,000 kilowatt hours from 5,103,669,000 was an increase in imports to 569,260,000 kilowatt hours from 239,173,000, the result being a reduction in the net transfer of energy to the United States. Of the total made available for use in Canada, 18,538,171,000 kilowatt hours, including 692,118,000 reported as losses, represented generation by industrial establishments for use in own plants. The comparable figure of 18,977,812,000* kilowatt hours shown in the 1956 report does not include losses which in that year were reported under energy disposed of by industrial establishments. Consequently, the increase of 5.7 per cent to 68,232,126,000 kilowatt hours from 64,523,755,000 in energy reported available for disposal in Canada would have been somewhat larger if computed on the same basis as in 1956. Total sales of electricity to ultimate customers increased 5.1 per cent to 60,356,171,000 kilowatt hours from 57,436,148,000 in 1956. Power customers purchased 37,874,540,000 kilowatt hours or 62.8 per cent of the total; domestic and farm customers, 15,857,618,000 or 26.0 per cent; and commercial customers, 6,112,574,000 or 10.0 per cent. Street lighting accounted for the remaining 511,439,000 kilowatt hours. Making up the balance of the power available for disposal was

* Revised.

7,875,955,000 kilowatt hours against 7,087,607,000 in 1956 reported as lost or unaccounted for.

The number of ultimate customers increased by 4.2 per cent during 1957 to 4,611,178 from 4,426,479. Most of the increase occurred in domestic and farm customers, which were up 4.4 per cent to 4,004,200 from 3,833,913. Commercial customers numbered 506,509 against 491,044 one year earlier while power customers declined slightly to 95,720 from 96,982.

Revenue received from sales to ultimate customers totalled \$638,714,000, up 7.0 per cent from the 1956 total of \$596,988,000. Domestic and farm customers produced revenues of \$257,038,000 versus \$235,446,000; commercial customers \$119,501,000 versus \$108,563,000; power customers \$250,269,000 versus \$241,735,000 and street lighting customers \$11,906,000 versus \$11,244,000. Revenue obtained from export sales amounted to \$17,782,000 compared with \$16,852,000 in 1956.

The average domestic and farm service revenue per kilowatt hour sold in Canada in 1957 was 1.62 cents as compared with the 1956 average of 1.64 cents. The heavier costs of thermal generation in Prince Edward Island, New Brunswick, Saskatchewan and Alberta are reflected in the higher revenues per kilowatt hour received in those provinces. Manitoba earned the lowest revenue per kilowatt hour sold, mainly because of the widespread use of flat-rate water heaters.

For domestic and farm customers the average annual bill was \$64.19, an increase of 4.5 per cent over the \$61.41 level of 1956. Average domestic and farm consumption rose 5.9 per cent from 3,740 kilowatt hours in 1956 to 3,960 this year. As between provinces, however, these averages varied widely from a low of 1,367 kilowatt hours in Prince Edward Island to a high of 5,895 kilowatt hours in Manitoba. Although many utilities do not keep separate records on farm customers apart from other domestic customers, the data reported on farm service indicates that the average consumption rose from 3,127* kilowatt hours per customer in 1956 to 3,415 in 1957 while the average annual bill climbed from \$75.59* to \$80.80.

The cost of fuel used by electric utilities to generate electricity in 1957 amounted to \$23,732,655. The consumption of 1,981,877 tons of coal accounted for \$14,394,220 or 60.7 per cent of the total cost. In terms of tons of coal consumed, Ontario was the largest user at 722,275 tons followed by Nova Scotia with 458,436.

Of the 5,482,927,000 kilowatt hours generated thermally by electric utilities in 1957, 3,039,456,000 kilowatt hours were generated with coal, 1,585,029,000 with natural gas and 858,442,000 with petroleum fuels. The percentage derived from coal increased to 55.4 from 53.8 and from natural gas to 28.9 from 26.1. Thermal generation based on petroleum fuels, on the other hand, represented only 15.7 per cent of the total compared with 20.1 per cent in 1956.

Wages and salaries in the electric utility industry totalled \$153,952,000 in 1957, an increase of 11.6 per cent over the \$137,967,000* paid in 1956. Publicly operated utilities reported an increase in wages and salaries to \$110,420,000 from \$96,915,000, while privately operated utilities showed an increase to \$43,532,000 from \$41,052,000*. Employees, excluding construction workers, numbered 37,817 with 27,101 working in publicly operated utilities versus 25,447 in 1956 and 10,716 in privately operated utilities versus 10,671 one year earlier.

Total assets of the electric utility industry stood at \$5,804,798,000 at the end of 1957 compared with \$5,088,471,000 one year earlier, a rise of \$716,327,000 or 14 per cent. Fixed assets, after depreciation, amounted to \$4,831,104,000 as against \$4,224,670,000. While most of the increase was reflected in a rise in long term debt to \$3,534,332,000 from \$3,039,528,000, the capital and surplus account also showed an increase, rising to \$1,355,894,000 from \$1,233,476,000.

Operating revenues of electric utilities were 8.5 per cent higher in 1957, totalling \$856,290,000 as against the 1956 total of \$789,257,000. Since operating expenses rose 12.2 per cent to \$548,977,000 from \$489,053,000, operating income was only slightly higher at \$307,313,000 compared with \$300,204,000. Net income, after income tax and other deductions, recorded a small decrease to \$106,805,000 from \$108,472,000.

Federal, provincial and municipal taxes paid by electric utilities in 1957 totalled \$57,391,000, or approximately the same as the \$57,071,000 paid in 1956. Whereas federal taxes showed a decrease to \$32,373,000 from \$34,709,000, provincial taxes went up to \$11,665,000 from \$9,657,000 and municipal to \$13,353,000 from \$12,705,000.

The following table provides an industry analysis of electric power consumption based in part on data collected by the Industry and Merchandising Division of the Dominion Bureau of Statistics. Some power reported as purchased in Industry and Merchandising reports is shown here as generated for own use since the sale actually represented a transfer of power within the same organization.

* Revised.

Distribution and consumption of electric energy¹

	1955			1956		
	Electric power purchased	Power generated by industries for own use	Total consumption	Electric power purchased	Power generated by industries for own use	Total consumption
	thousands of kilowatt hours					
Manufacturing:						
Pulp and paper	11, 128, 402	3, 933, 277	15, 061, 679	10, 821, 160	4, 535, 560	15, 356, 720
Primary iron and steel	2, 001, 092	210, 664	2, 211, 756	2, 482, 938	—	2, 482, 938
Artificial abrasives and abrasive products	1, 024, 459	—	1, 024, 459	1, 127, 217	—	1, 127, 217
Chemicals, industrial (acids, alkalis and salts)	2, 557, 252	104, 138	2, 661, 390	2, 688, 416	116, 694	2, 805, 110
Metal, smelting and refining	11, 366, 808	3, 563, 749 ²	14, 935, 557	1, 874, 001	13, 228, 803 ³	15, 102, 804
Other manufacturing	7, 302, 898	1, 615, 835 ⁴	8, 918, 733	8, 229, 780	1, 519, 943 ⁵	9, 749, 723
Total manufacturing	35, 380, 911	9, 432, 663	44, 813, 574	27, 223, 512	19, 401, 000	46, 624, 512
Mining	2, 963, 675	463, 860	3, 427, 535	3, 544, 514	542, 835	4, 087, 349
Other industries (including municipal services).....	5, 071, 613	...	5, 071, 613	6, 532, 721	...	6, 532, 721
Total all industry	43, 416, 199	9, 896, 523	53, 312, 722	37, 300, 747	19, 943, 835⁶	57, 244, 582
Domestic service	12, 759, 657	...	12, 759, 657	14, 337, 628	...	14, 337, 628
Commercial lighting	4, 703, 909	...	4, 703, 909	5, 322, 958	...	5, 322, 958
Street lighting	461, 722	...	461, 722	474, 815	...	474, 815
Exports to the United States	4, 433, 460	...	4, 433, 460	5, 103, 669	...	5, 103, 669
Losses and unaccounted for	7, 294, 207	...	7, 294, 207	6, 173, 315	...	6, 173, 315
Grand total	73, 069, 154	9, 896, 523	82, 965, 677	68, 713, 132	19, 943, 835	88, 656, 967

¹ Includes imports from the United States; tables for previous years covered generation only.

² Includes 2,436,876,000 kwh. shown as purchased in reports of manufacturing industries.

³ Includes 12,107,373,000 kwh. " " " " " " " " " "

⁴ Includes 994,223,000 kwh. " " " " " " " " " "

⁵ Includes 920,987,000 kwh. " " " " " " " " " "

⁶ Industry figures in this column include losses which are estimated to total 914,292,000 kilowatt hours. Inconsistencies in reporting account for the remaining 51,731,000 kilowatt hour difference between the total shown here and the revised Electric Power Statistics total for 1956.

TABLE 1. Comparative Summary, 1956-1957

No.			Canada			
			1957			1956 Total
			Utilities	Industrials	Total	
	Installed generating capacity (Table 2):					
1	Hydro	kw.	11,453,361	3,064,343	14,517,704	13,474,879 ²
2	Thermal	"	1,991,089	659,821	2,650,910	2,425,301
3	Total	"	13,444,450	3,724,164	17,168,614	15,900,180²
	Energy made available (Table 3 and 4):					
4	Generated — Hydro	'000 kwh.	66,040,067	17,333,153	83,373,220	81,835,386 ²
5	— Thermal	"	5,482,927	2,174,733	7,657,660	6,530,677
6	Total	"	71,522,994	19,507,886	91,030,880	88,366,063²
7	Imported from other Provinces .....	"	...	...	...	...
8	Imported from United States .....	"	..	..	569,260	239,173
9	Exported to other Provinces .....	"	...	...	...	...
10	Exported to United States	"	4,785,060	44,783	4,829,843	5,103,669
11	Total made available in Canada .....	"	..	..	86,770,297	83,501,567²
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
12	Domestic and farm	'000 kwh.	15,785,101	72,517	15,857,618	14,337,628
13	Commercial	"	6,086,674	25,900	6,112,574	5,322,958
14	Power — excluding deliveries to electric boilers	"	36,168,984	103,186	36,272,170	36,328,318
15	— deliveries to electric boilers	"	1,602,370	—	1,602,370	972,429
16	Street lighting	"	507,706	3,733	511,439	474,815
17	Total sold to ultimate customers	"	60,150,835	205,336	60,356,171	57,436,148
18	Losses and unaccounted for	"	7,868,768	7,187	7,875,955	7,087,607
19	Total disposed of in Canada	"	68,019,603	212,523	68,232,126	64,523,755
	Customers (Table 6):					
	Ultimate customers in Canada:					
20	Domestic and farm	No.	3,991,025	13,175	4,004,200	3,833,913
21	Commercial	"	505,314	1,195	506,509	491,044
22	Power	"	95,593	127	95,720	96,982
23	Street lighting	"	4,731	18	4,749	4,540
24	Total ultimate customers	"	4,596,663	14,515	4,611,178	4,426,479
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
25	Domestic and farm	\$'000	256,015	1,023	257,038	235,446
26	Commercial	"	119,009	492	119,501	108,563
27	Power — excluding deliveries to electric boilers	"	247,019	590	247,609	239,956
28	— deliveries to electric boilers	"	2,660	—	2,660	1,779
29	Street lighting	"	11,870	36	11,906	11,244
30	Total revenue from ultimate customers	"	636,573	2,141	638,714	596,988
	Revenue from electricity exported:					
31	To other provinces .....	"	...	...	...	...
32	To United States	"	17,580	202	17,782	16,852
33	Total revenue from exports	"	17,580	202	17,782	16,852
34	Total pole line mileage (Table 9)	miles	285,306	¹	285,306	271,556²
	Employees, salaries and wages (Table 13):					
35	Total employees (excluding construction)	No.	37,817	¹	37,817	36,118
36	Total wages and salaries (excluding construction)	\$'000	153,952	¹	153,952	137,967 ²

See footnotes on pages 14 and 15.

TABLE 1. Comparative Summary, 1956 - 1957

Newfoundland				Prince Edward Island				No.
1957			1956 Total	1957			1956 Total	
Utilities	Industrials	Total		Utilities	Industrials	Total		
164,910	53,760	218,670	206,120	140	—	140	140	1
14,833	14,600	29,433	28,549	25,381	3	25,384	26,223	2
179,743	68,360	248,103	234,669	25,521	3	25,524	26,363	3
969,891	343,505	1,313,396	1,360,745	370	—	370	441	4
12,524	38,589	51,113	35,301	56,613	5	56,618	51,362	5
982,415	382,094	1,364,509	1,396,046	56,983	5	56,988	51,803	6
—	—	—	—	—	—	—	—	7
—	—	—	—	—	—	—	—	8
—	44,620	44,620	31,496	—	—	—	—	9
—	—	—	—	—	—	—	—	10
..	..	1,319,889	1,364,550	..	..	56,988	51,803	11
129,207	3,471	132,678	121,714	20,560	—	20,560	18,957	12
34,747	764	35,511	32,642	18,088	—	18,088	15,861	13
720,055	1,704	721,759	766,414	7,872	—	7,872	8,064	14
—	—	—	—	—	—	—	—	15
4,073	—	4,073	3,883	995	—	995	803	16
888,082	5,939	894,021	924,653	47,515	—	47,515	43,685	17
105,696	510	106,206	104,391	9,366	—	9,366	8,012	18
993,778	6,449	1,000,227	1,029,044	56,881	—	56,881	51,697	19
49,791	1,396	51,187	48,906	15,044	—	15,044	14,062	20
5,053	107	5,160	5,147	2,725	—	2,725	2,729	21
626	43	669	652	233	—	233	81	22
18	—	18	18	12	—	12	20	23
55,488	1,546	57,034	54,723	18,014	—	18,014	16,892	24
3,071	123	3,194	2,944	1,047	—	1,047	921	25
1,088	27	1,115	1,019	766	—	766	609	26
4,416	69	4,485	4,416	180	—	180	233	27
—	—	—	—	—	—	—	—	28
114	—	114	107	52	—	52	38	29
8,689	219	8,908	8,486	2,045	—	2,045	1,801	30
—	—	—	—	—	—	—	—	31
—	—	—	—	—	—	—	—	32
—	—	—	—	—	—	—	—	33
2,254	1	2,254	2,120	1,237	1	1,237	1,054	34
596	1	596	607	197	1	197	189	35
1,766	1	1,766	1,644	498	1	498	507	36

TABLE 1. Comparative Summary, 1956-1957 — Continued

No.			Nova Scotia			
			1957			1956 Total
			Utilities	Industrials	Total	
	Installed generating capacity (Table 2):					
1	Hydro	kw.	124,287	5,350	129,637	125,534
2	Thermal	"	254,818	43,158	297,976	257,330
3	Total	"	379,105	48,508	427,613	382,864
	Energy made available (Table 3 and 4):					
4	Generated — Hydro	'000 kwh.	498,183	28,310	526,493	592,361
5	— Thermal	"	857,135	150,209	1,007,344	888,867
6	Total	"	1,355,318	178,519	1,533,837	1,481,228
7	Imported from other Provinces	"	—	—	—	—
8	Imported from United States	"	—	—	—	—
9	Exported to other Provinces	"	8,858	—	8,858	8,234
10	Exported to United States	"	—	—	—	—
11	Total made available in Canada .....	"	..	..	1,524,979	1,472,994
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
12	Domestic and farm	'000 kwh.	356,000	—	356,000	319,243
13	Commercial	"	121,300	—	121,300	109,906
14	Power—excluding deliveries to electric boilers	"	683,217	66	683,283	704,389
15	—deliveries to electric boilers	"	—	—	—	50
16	Street lighting	"	10,046	—	10,046	10,322
17	Total sold to ultimate customers	"	1,170,563	66	1,170,629	1,143,910
18	Losses and unaccounted for	"	171,256	—	171,256	156,539
19	Total disposed of in Canada	"	1,341,819	66	1,341,885	1,300,449
	Customers (Table 6):					
	Ultimate customers in Canada:					
20	Domestic and farm	No.	158,065	—	158,065	154,231
21	Commercial	"	20,626	—	20,626	20,535
22	Power	"	5,888	1	5,889	5,595
23	Street lighting	"	131	—	131	115
24	Total ultimate customers	"	184,710	1	184,711	180,476
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
25	Domestic and farm	\$'000	9,173	—	9,173	8,680
26	Commercial	"	4,332	—	4,332	4,187
27	Power—excluding deliveries to electric boilers	"	9,199	1	9,200	8,956
28	—deliveries to electric boilers	"	—	—	—	1
29	Street lighting	"	421	—	421	409
30	Total revenue from ultimate customers	"	23,125	1	23,126	22,233
	Revenue from electricity exported:					
31	To other provinces	"	167	—	167	159
32	To United States	"	—	—	—	—
33	Total revenue from exports	"	167	—	167	159
34	Total pole line mileage (Table 9)	miles	10,780	1	10,780	9,928
	Employees, salaries and wages (Table 13):					
35	Total employees (excluding construction)	No.	1,590	1	1,590	1,542
36	Total wages and salaries (excluding construction)	\$'000	5,069	1	5,069	4,521

See footnotes on pages 14 and 15.

TABLE 1. Comparative Summary, 1956-1957 — Continued

New Brunswick				Quebec				No.
1957			1956 Total	1957			1956 Total	
Utilities	Industrials	Total		Utilities	Industrials	Total		
175,410	34,000	209,410	116,589	4,816,866	1,459,818	6,276,684	5,914,878 ²	1
103,306	83,875	187,181	184,426	10,505	95,904	106,409	66,886	2
278,716	117,875	396,591	301,015	4,827,371	1,555,722	6,383,093	5,981,764 ²	3
634,050	72,414	706,464	522,938	28,529,995	9,375,819	37,905,814	37,534,458 ²	4
348,883	349,414	698,297	839,815	7,927	217,686	225,613	209,226	5
982,933	421,828	1,404,761	1,362,753	28,537,922	9,593,505	38,131,427	37,743,684 ²	6
..	..	23,156	21,621	..	..	66,400	57,306	7
..	..	4,525	11,451	..	..	710	306	8
—	—	—	—	4,935,076	—	4,935,076	5,232,799	9
43,941	4,708	48,649	25,014	549,040	—	549,040	48,008	10
..	..	1,383,793	1,370,811	..	..	32,714,421	32,520,489 ²	11
225,210	—	225,210	195,768	3,569,120	13,084	3,582,204	3,104,970	12
90,978	447	91,425	84,712	1,551,627	6,973	1,558,600	1,421,692	13
560,544	1,805	562,349	549,298	14,871,480	30,449	14,901,929	14,503,131	14
—	—	—	227	1,236,117	—	1,236,117	851,305	15
10,910	—	10,910	9,901	114,913	887	115,800	104,929	16
887,642	2,252	889,894	839,906	21,343,257	51,393	21,394,650	19,986,027	17
106,487	180	106,667	90,548	2,321,285	6,305	2,327,590	2,514,714	18
994,129	2,432	996,561	930,454	23,664,542	57,698	23,722,240	22,500,741	19
123,893	—	123,893	120,537	1,086,694	2,722	1,089,416	1,034,157	20
13,607	1	13,608	13,367	131,996	449	132,445	126,053	21
2,127	1	2,128	2,026	18,325	24	18,349	17,645	22
132	—	132	122	1,580	6	1,586	1,538	23
139,759	2	139,761	136,052	1,238,595	3,201	1,241,796	1,179,393	24
7,906	—	7,906	7,335	55,905	207	56,112	50,129	25
2,795	6	2,801	2,680	28,252	150	28,402	26,855	26
5,902	10	5,912	5,820	81,187	163	81,350	76,059	27
—	—	—	—	2,179	—	2,179	1,579	28
400	—	400	361	2,578	12	2,590	2,343	29
17,003	16	17,019	16,196	170,101	532	170,633	156,965	30
—	—	—	—	13,455	—	13,455	14,541	31
331	21	352	170	1,561	—	1,561	321	32
331	21	352	170	15,016	—	15,016	14,862	33
9,392	¹	9,392	9,293	41,825	¹	41,825	39,499	34
1,133	¹	1,133	1,164	9,466	¹	9,466	8,747	35
3,835	¹	3,835	3,923	36,735	¹	36,735	31,868	36

TABLE 1. Comparative Summary, 1956-1957 — Continued

No.			Ontario			
			1957			1956 Total
			Utilities	Industrials	Total	
	Installed generating capacity (Table 2):					
1	Hydro	kw.	4,226,444	270,085	4,496,529	4,255,056
2	Thermal	"	668,816	240,372	909,188	890,247
3	Total	"	4,895,260	510,457	5,405,717	5,145,303
	Energy made available (Table 3 and 4):					
4	Generated — Hydro	'000 kwh.	26,535,041	1,423,996	27,959,037	27,478,197
5	— Thermal	"	1,464,648	688,755	2,153,403	1,569,743
6	Total	"	27,999,689	2,112,751	30,112,440	29,047,940
7	Imported from other Provinces .....	"	..	..	5,071,120	5,334,917
8	Imported from United States .....	"	..	..	285,472	174,435
9	Exported to other Provinces	"	23,316	—	23,316	25,961
10	Exported to United States	"	4,182,150	40,075	4,222,225	5,010,968
11	Total made available in Canada .....	"	..	..	31,223,491	29,520,363
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
12	Domestic and farm	'000 kwh.	7,570,513	23,880	7,594,393	7,049,217
13	Commercial	"	2,605,201	4,197	2,609,398	2,419,633
14	Power — excluding deliveries to electric boilers	"	15,111,962	53,841	15,165,803	14,995,686
15	— deliveries to electric boilers	"	48,113	—	48,113	94,416
16	Street lighting	"	226,791	1,893	228,684	213,624
17	Total sold to ultimate customers	"	25,562,580	83,811	25,646,391	24,772,576
18	Losses and unaccounted for	"	3,699,185	—	3,699,185	2,664,684
19	Total disposed of	"	29,261,765	83,811	29,345,576	27,437,260
	Customers (Table 6):					
	Ultimate customers in Canada:					
20	Domestic and farm	No.	1,545,962	3,706	1,549,668	1,492,986
21	Commercial	"	165,993	205	166,198	168,338
22	Power	"	25,537	16	25,553	25,644
23	Street lighting	"	775	5	780	734
24	Total ultimate customers	"	1,738,267	3,932	1,742,199	1,687,702
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
25	Domestic and farm	\$'000	103,141	236	103,377	95,942
26	Commercial	"	40,522	60	40,582	37,613
27	Power — excluding deliveries to electric boilers	"	104,116	179	104,295	100,673
28	— deliveries to electric boilers	"	68	—	68	139
29	Street lighting	"	4,950	12	4,962	5,121
30	Total revenue from ultimate customers	"	252,797	487	253,284	239,488
	Revenue from electricity exported:					
31	To other Provinces	"	141	—	141	134
32	To United States	"	15,650	181	15,831	16,287
33	Total revenue from exports	"	15,791	181	15,972	16,421
34	Total pole line mileage (Table 9)	miles	72,777	¹	72,777	71,578
	Employees, salaries and wages (Table 13):					
35	Total employees (excluding construction)	No.	16,184	¹	16,184	15,956
36	Total wages and salaries (excluding construction) (excl. construction)	\$'000	71,477	¹	71,477	65,196

See footnotes on pages 14 and 15.

TABLE 1. Comparative Summary, 1956-1957 — Continued

Manitoba				Saskatchewan				No.
1957			1956 Total	1957			1956 Total	
Utilities	Industrials	Total		Utilities	Industrials	Total		
560,000	4,950	564,950	589,950	85,200	—	85,200	85,200	1
83,890	8,264	92,154	59,338	366,530	8,215	374,745	330,548	2
643,890	13,214	657,104	649,288	451,730	8,215	459,945	415,748	3
3,331,922	18,474	3,350,396	3,346,394	546,148	19,872	566,020	555,466	4
9,099	17,894	26,993	18,910	1,132,269	68,055	1,200,324	1,030,433	5
3,341,021	36,368	3,377,389	3,365,304	1,678,417	87,927	1,766,344	1,585,899	6
..	..	533,792	555,617	..	..	2,315	1,994	7
—	—	—	817	..	..	316	258	8
152,657	—	152,657	117,499	504,319	27,937	532,256	555,466	9
22	—	22	8	—	—	—	—	10
..	..	3,758,502	3,804,231	..	..	1,236,719	1,032,685	11
1,243,707	3,856	1,247,563	1,172,579	469,979	96	470,075	400,215	12
427,178	1,330	428,508	275,652	166,343	1	166,344	158,358	13
1,286,884	65	1,286,949	1,876,976	326,452	30	326,482	305,280	14
310,950	—	310,950	21,444	—	—	—	—	15
33,856	87	33,943	31,952	19,725	—	19,725	19,291	16
3,302,575	5,338	3,307,913	3,378,603	982,499	127	982,626	883,144	17
387,365	175	387,540	401,298	195,394	—	195,394	114,718	18
3,689,940	5,513	3,695,453	3,779,901	1,177,893	127	1,178,020	997,862	19
211,033	609	211,642	208,039	182,313	113	182,426	169,527	20
35,953	49	36,002	30,259	31,105	1	31,106	30,826	21
10,675	1	10,676	15,483	5,690	18	5,708	5,028	22
528	1	529	528	829	—	829	781	23
258,189	660	258,849	254,309	219,937	132	220,069	206,162	24
14,014	38	14,052	13,520	14,618	7	14,625	12,690	25
6,115	12	6,127	5,274	6,072	—	6,072	5,826	26
7,346	1	7,347	9,138	5,902	3	5,905	5,369	27
378	—	378	28	—	—	—	—	28
577	—	577	519	640	—	640	572	29
28,430	51	28,481	28,479	27,232	10	27,242	24,457	30
355	—	355	415	1,264	—	1,264	1,292	31
1	—	1	—	—	—	—	—	32
356	—	356	415	1,264	—	1,264	1,292	33
34,317	1	34,317	34,232	54,700	1	54,700	50,683 ²	34
2,416	1	2,416	2,162	1,875	1	1,875	1,430	35
8,387	1	8,387	7,501	6,534	1	6,534	5,360	36

TABLE 1. Comparative Summary, 1956-1957 — Concluded

No.			Alberta			
			1957			1956 Total
			Utilities	Industrials	Total	
	Installed generating capacity (Table 2):					
1	Hydro	kw.	241,432	—	241,432	222,665
2	Thermal	"	353,165	29,343	382,508	381,496
3	Total	"	594,597	29,343	623,940	604,161
	Energy made available (Table 3 and 4):					
4	Generated—Hydro	'000 kwh.	807,253	—	807,253	979,157
5	—Thermal	"	1,442,160	182,489	1,624,649	1,164,316
6	Total	"	2,249,413	182,489	2,431,902	2,143,473
7	Imported from other Provinces .....	"	..	..	24,297	28,512
8	Imported from United States .....	"	..	..	573	—
9	Exported to other Provinces	"	3,139	—	3,139	—
10	Exported to United States	"	—	—	—	—
11	Total made available in Canada .....	"	..	..	2,453,633	2,171,985
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
12	Domestic and farm	'000 kwh.	563,530	518	564,048	501,260
13	Commercial	"	276,390	161	276,551	245,244
14	Power — excluding deliveries to electric boilers	"	1,142,621	1,673	1,144,294	1,022,309
15	— deliveries to electric boilers	"	942	—	942	—
16	Street lighting	"	29,843	10	29,853	25,585
17	Total sold to ultimate customers	"	2,013,326	2,362	2,015,688	1,794,398
18	Losses and unaccounted for	"	260,702	—	260,702	255,191
19	Total disposed of in Canada	"	2,274,028	2,362	2,276,390	2,049,589
	Customers (Table 6):					
	Ultimate customers in Canada:					
20	Domestic and farm	No.	237,168	551	237,719	222,222
21	Commercial	"	38,872	23	38,895	37,254
22	Power	"	18,325	3	18,328	16,426
23	Street lighting	"	509	2	511	480
24	Total ultimate customers	"	294,874	579	295,453	276,382
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
25	Domestic and farm	\$'000	13,745	43	13,788	12,573
26	Commercial	"	9,453	6	9,459	8,660
27	Power — excluding deliveries to electric boilers	"	14,616	34	14,650	12,916
28	— deliveries to electric boilers	"	10	—	10	10
29	Street lighting	"	1,045	—	1,045	742
30	Total revenue from ultimate customers	"	38,869	83	38,952	34,901
	Revenue from electricity exported:					
31	To other provinces	"	—	—	—	—
32	To United States	"	—	—	—	—
33	Total revenue from exports	"	—	—	—	—
34	Total pole line mileage (Table 9)	miles	42,758	¹	42,758	37,793
	Employees, salaries and wages (Table 13):					
35	Total employees (excluding construction)	No.	1,647	¹	1,647	1,598
36	Total wages and salaries (excluding construction)	\$'000	6,729	¹	6,729	5,443

¹ Data not collected from industrials.² Revised.

TABLE 1. Comparative Summary, 1956-1957 - Concluded

British Columbia				Yukon and N.W.T.				No.
1957			1956 Total	1957			1956 Total	
Utilities	Industrials	Total		Utilities	Industrials	Total		
1,044,747 107,124 1,151,871	1,221,330 135,791 1,357,121	2,266,077 242,915 2,508,992	1,933,022 185,108 2,118,130	13,925 2,721 16,646	15,050 296 15,346	28,975 3,017 31,992	25,725 15,150 40,875	1 2 3
4,118,052 147,422 4,265,474	5,998,284 460,279 6,458,563	10,116,336 607,701 10,724,037	9,350,558 719,778 10,070,336	69,162 4,247 73,409	52,479 1,358 53,837	121,641 5,605 127,246	114,671 2,926 117,597	4 5 6
..	..	3,139	—	—	—	—	—	7
..	..	277,664	51,906	—	—	—	—	8
24,297	—	24,297	28,512	—	—	—	—	9
9,907	—	9,907	19,671	—	—	—	—	10
..	..	10,970,636	10,074,059	..	..	127,246	117,597	11
1,630,007 786,843	27,612 11,868	1,657,619 798,711	1,445,059 556,576	7,268 7,979	— 159	7,268 8,138	8,646 2,682	12 13
1,408,261 — 56,362	13,553 — 856	1,421,814 — 57,218	1,550,935 — 54,296	49,636 6,248 192	— — —	49,636 6,248 192	45,836 4,987 229	14 15 16
3,881,473	53,889	3,935,362	3,606,866	71,323	159	71,482	62,380	17
610,397	17	610,414	767,651	1,635	—	1,635	9,861	18
4,491,870	53,906	4,545,776	4,374,517	72,958	159	73,117	72,241	19
378,144 58,637 8,078 211	4,078 358 20 4	382,222 58,995 8,098 215	366,438 56,033 8,256 197	2,918 747 89 6	— 2 — —	2,918 749 89 6	2,808 503 146 7	20 21 22 23
445,070	4,460	449,530	430,924	3,760	2	3,762	3,464	24
33,052 19,132	369 192	33,421 19,324	30,271 15,662	343 482	— 39	343 521	441 178	25 26
13,168 — 1,080	130 — 12	13,298 — 1,092	15,340 — 1,020	987 25 13	— — —	987 25 13	1,036 22 12	27 28 29
66,432	703	67,135	62,293	1,850	39	1,889	1,689	30
76 37 113	— — —	76 37 113	92 74 166	— — —	— — —	— — —	— — —	31 32 33
15,070	1	15,070	15,180	196	1	196	196	34
2,635	1	2,635	2,645	78	1	78	78	35
12,579	1	12,579	11,715 ²	343	1	343	289	36

³ Revenue less than \$1,000.

TABLE 2. Installed Generating Capacity at End of Year, 1957

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		nameplate rating in kilowatts			
	Electric utilities and industrial establishments:				
1	Hydro:				
	Water-wheels and turbines	14, 517, 704	218, 670	140	129, 637
	Thermal:				
2	Steam engines and turbines	2, 416, 493	20, 000	22, 500	293, 983
3	Internal combustion engines	202, 510	7, 826	2, 884	3, 993
4	Gas turbines	31, 907	1, 607	—	—
5	Total thermal	2, 650, 910	29, 433	25, 384	297, 976
6	Total installed generating capacity	17, 168, 614	248, 103	25, 524	427, 613
7	Per cent of total for Canada	100.00	1.44	0.15	2.49
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	11, 453, 361	164, 910	140	124, 287
	Thermal:				
9	Steam engines and turbines	1, 791, 870	10, 000	22, 500	250, 875
10	Internal combustion engines	167, 312	3, 226	2, 881	3, 943
11	Gas turbines	31, 907	1, 607	—	—
12	Total thermal	1, 991, 089	14, 833	25, 381	254, 818
13	Total installed generating capacity	13, 444, 450	179, 743	25, 521	379, 105
14	Per cent of total for Canada	100.00	1.34	0.19	2.82
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	6, 523, 801	—	—	86, 634
	Thermal:				
16	Steam engines and turbines	1, 352, 020	—	—	40, 525
17	Internal combustion engines	121, 950	364	2, 881	1, 903
18	Gas turbines	21, 800	—	—	—
19	Total thermal	1, 495, 770	364	2, 881	42, 428
20	Total installed generating capacity	8, 019, 571	364	2, 881	129, 062
21	Per cent of total for Canada	100.00	0.01	0.04	1.61
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	4, 929, 560	164, 910	140	37, 653
	Thermal:				
23	Steam engines and turbines	439, 850	10, 000	22, 500	210, 350
24	Internal combustion engines	45, 362	2, 862	—	2, 040
25	Gas turbines	10, 107	1, 607	—	—
26	Total thermal	495, 319	14, 469	22, 500	212, 390
27	Total installed generating capacity	5, 424, 879	179, 379	22, 640	250, 043
28	Per cent of total for Canada	100.00	3.31	0.42	4.61
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	3, 064, 343	53, 760	—	5, 350
	Thermal:				
30	Steam engines and turbines	624, 623	10, 000	—	43, 108
31	Internal combustion engines	35, 198	4, 600	3	50
32	Gas turbines	—	—	—	—
33	Total thermal	659, 821	14, 600	3	43, 158
34	Total installed generating capacity	3, 724, 164	68, 360	3	48, 508
35	Per cent of total for Canada	100.00	1.84	0.00	1.30

TABLE 2. Installed Generating Capacity at End of Year, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
nameplate rating in kilowatts								
209,410	6,276,684	4,496,529	564,950	85,200	241,432	2,266,077	28,975	1
177,675	91,465	893,135	86,050	336,700	353,580	141,405	—	2
9,506	14,944	16,053	6,104	38,045	20,428	79,710	3,017	3
—	—	—	—	—	8,500	21,800	—	4
187,181	106,409	909,188	92,154	374,745	382,508	242,915	3,017	5
396,591	6,383,093	5,405,717	657,104	459,945	623,940	2,508,992	31,992	6
2.31	37.18	31.49	3.83	2.68	3.63	14.61	0.19	7
175,410	4,816,866	4,226,444	560,000	85,200	241,432	1,044,747	13,925	8
94,400	—	664,020	82,000	328,700	325,375	14,000	—	9
8,906	10,505	4,796	1,890	37,830	19,290	71,324	2,721	10
—	—	—	—	—	8,500	21,800	—	11
103,306	10,505	668,816	83,890	366,530	353,165	107,124	2,721	12
278,716	4,827,371	4,895,260	643,890	451,730	594,597	1,151,871	16,646	13
2.07	35.91	36.41	4.79	3.36	4.42	8.57	0.12	14
102,370	1,966,106	3,544,159	560,000	—	—	252,532	12,000	15
94,400	—	664,020	82,000	290,200	180,875	—	—	16
7,906	2,825	2,166	1,890	37,100	—	63,540	1,375	17
—	—	—	—	—	—	21,800	—	18
102,306	2,825	666,186	83,890	327,300	180,875	85,340	1,375	19
204,676	1,968,931	4,210,345	643,890	327,300	180,875	337,872	13,375	20
2.55	24.55	52.50	8.03	4.08	2.25	4.21	0.17	21
73,040	2,850,760	682,285	—	85,200	241,432	792,215	1,925	22
—	—	—	—	38,500	144,500	14,000	—	23
1,000	7,680	2,630	—	730	19,290	7,784	1,346	24
—	—	—	—	—	8,500	—	—	25
1,000	7,680	2,630	—	39,230	172,290	21,784	1,346	26
74,040	2,858,440	684,915	—	124,430	413,722	813,999	3,271	27
1.36	52.69	12.63	—	2.29	7.63	15.00	0.06	28
34,000	1,459,818	270,085	4,950	—	—	1,221,330	15,050	29
83,275	91,465	229,115	4,050	8,000	28,205	127,405	—	30
600	4,439	11,257	4,214	215	1,138	8,386	296	31
—	—	—	—	—	—	—	—	32
83,875	95,904	240,372	8,264	8,215	29,343	135,791	296	33
117,875	1,555,722	510,457	13,214	8,215	29,343	1,357,121	15,346	34
3.17	41.77	13.71	0.35	0.22	0.79	36.44	0.41	35

TABLE 3. Generation of Energy, 1957

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
1	Hydro:				
	Water-wheels and turbines	83,373,220	1,313,396	370	526,493
	Thermal:				
2	Steam engines and turbines	7,177,933	31,395	53,471	1,002,461
3	Internal combustion engines	464,407	17,231	3,147	4,883
4	Gas turbines	15,320	2,487	—	—
5	Total thermal	7,657,660	51,113	56,618	1,007,344
6	Total energy generated	91,030,880	1,364,509	56,988	1,533,837
7	Per cent of total for Canada	100.00	1.50	0.06	1.69
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	66,040,067	969,891	370	498,183
	Thermal:				
9	Steam engines and turbines	5,083,372	9,091	53,471	852,302
10	Internal combustion engines	384,235	946	3,142	4,833
11	Gas turbines	15,320	2,487	—	—
12	Total thermal	5,482,927	12,524	56,613	857,135
13	Total energy generated	71,522,994	982,415	56,983	1,355,318
14	Per cent of total for Canada	100.00	1.37	0.08	1.90
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	41,231,556	—	—	342,859
	Thermal:				
16	Steam engines and turbines	3,567,588	—	—	118,998
17	Internal combustion engines	312,446	597	3,142	1,528
18	Gas turbines	5,022	—	—	—
19	Total thermal	3,885,056	597	3,142	120,526
20	Total energy generated	45,116,612	597	3,142	463,385
21	Per cent of total for Canada	100.00	0.00	0.01	1.03
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	24,808,511	969,891	370	155,324
	Thermal:				
23	Steam engines and turbines	1,515,784	9,091	53,471	733,304
24	Internal combustion engines	71,789	349	—	3,305
25	Gas turbines	10,298	2,487	—	—
26	Total thermal	1,597,871	11,927	53,471	736,609
27	Total energy generated	26,406,382	981,818	53,841	891,933
28	Per cent of total for Canada	100.00	3.72	0.20	3.38
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	17,333,153	343,505	—	28,310
	Thermal:				
30	Steam engines and turbines	2,094,561	22,304	—	150,159
31	Internal combustion engines	80,172	16,285	5	50
32	Gas turbines	—	—	—	—
33	Total thermal	2,174,733	38,589	5	150,209
34	Total energy generated	19,507,886	382,094	5	178,519
35	Per cent of total for Canada	100.00	1.96	0.00	0.91

¹ Kilowatt-hours generated after deducting station service.

TABLE 3. Generation of Energy, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
706,464	37,905,814	27,959,037	3,350,396	566,020	807,253	10,116,336	121,641	1
686,299	208,549	2,127,632	11,199	1,045,375	1,565,934	445,618	—	2
11,998	17,064	25,771	15,794	154,949	50,904	157,061	5,605	3
—	—	—	—	—	7,811	5,022	—	4
698,297	225,613	2,153,403	26,993	1,200,324	1,624,649	607,701	5,605	5
1,404,761	38,131,427	30,112,440	3,377,389	1,766,344	2,431,902	10,724,037	127,246	6
1.54	41.89	33.08	3.71	1.94	2.67	11.78	0.14	7
634,050	28,529,995	26,535,041	3,331,922	546,148	807,253	4,118,052	69,162	8
336,896	—	1,460,020	5,354	977,330	1,388,601	307	—	9
11,987	7,927	4,628	3,745	154,939	45,748	142,093	4,247	10
—	—	—	—	—	7,811	5,022	—	11
348,883	7,927	1,464,648	9,099	1,132,269	1,442,160	147,422	4,247	12
982,933	28,537,922	27,999,689	3,341,021	1,678,417	2,249,413	4,265,474	73,409	13
1.37	39.90	39.15	4.67	2.35	3.15	5.96	0.10	14
250,804	11,402,024	24,949,988	3,331,922	—	—	891,746	62,213	15
336,896	—	1,460,020	5,354	865,268	781,052	—	—	16
11,924	1,230	4,528	3,745	154,404	—	129,342	2,006	17
—	—	—	—	—	—	5,022	—	18
348,820	1,230	1,464,548	9,099	1,019,672	781,052	134,364	2,006	19
599,624	11,403,254	26,414,536	3,341,021	1,019,672	781,052	1,026,110	64,219	20
1.33	25.27	58.55	7.41	2.26	1.73	2.27	0.14	21
383,246	17,127,971	1,585,053	—	546,148	807,253	3,226,306	6,949	22
—	—	—	—	112,062	607,549	307	—	23
63	6,697	100	—	535	45,748	12,751	2,241	24
—	—	—	—	—	7,811	—	—	25
63	6,697	100	—	112,597	661,108	13,058	2,241	26
383,309	17,134,668	1,585,153	—	658,745	1,468,361	3,239,364	9,190	27
1.45	64.89	6.00	—	2.49	5.56	12.27	0.04	28
72,414	9,375,819	1,423,996	18,474	19,872	—	5,998,284	52,479	29
349,403	208,549	667,612	5,845	68,045	177,333	445,311	—	30
11	9,137	21,143	12,049	10	5,156	14,968	1,358	31
—	—	—	—	—	—	—	—	32
349,414	217,686	688,755	17,894	68,055	182,489	460,279	1,358	33
421,828	9,593,505	2,112,751	36,368	87,927	182,489	6,458,563	53,837	34
2.16	49.18	10.83	0.19	0.45	0.93	33.11	0.28	35

TABLE 4. Energy Made Available, 1957

No		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
1	Total generated (Table 3)¹	91,030,880	1,364,509	56,988	1,533,837
2	Per cent of total for Canada	100.00	1.50	0.06	1.69
	Energy imported:				
3	From other provinces .....	...	—	—	—
4	From United States	569,260	—	—	—
5	Total imported	569,260	—	—	—
	Energy exported:				
6	To other provinces .....	...	44,620	—	8,858
7	To United States	4,829,843	—	—	—
8	Total exported	4,829,843	44,620	—	8,858
9	Total made available in Canada	86,770,297	1,319,889	56,988	1,524,979
10	Per cent of total for Canada	100.00	1.52	0.07	1.76
11	Generated for use in own plant — consumed	17,846,053	318,565	98	182,673
12	— losses	692,118	1,097	9	421
13	Total available for disposal in Canada	68,232,126	1,000,227	56,881	1,341,885
14	Per cent of total for Canada	100.00	1.46	0.08	1.97

¹ Kilowatt hours after deducting station service.

TABLE 5. Disposal of Energy, 1957

No		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities and industrial establishments:				
	To ultimate customers in Canada:				
1	Domestic and farm ¹	15,857,618	132,678	20,560	356,000
2	Commercial	6,112,574	35,511	18,088	121,300
3	Power—excluding deliveries to electric boilers	36,272,170	721,759	7,872	683,283
4	— deliveries to electric boilers	1,602,370	—	—	—
5	Street lighting	511,439	4,073	995	10,046
6	Total sold to ultimate customers	60,356,171	894,021	47,515	1,170,629
7	Losses and unaccounted for	7,875,955	106,206	9,366	171,256
8	Total disposed of in Canada	68,232,126	1,000,227	56,881	1,341,885
9	Per cent of total for Canada	100.00	1.46	0.08	1.97
	Exported:				
10	To other provinces — primary .....	...	44,620	—	8,858
11	— secondary .....	...	—	—	—
12	To United States — primary	1,308,672	—	—	—
13	— secondary	3,521,171	—	—	—
14	Total exported	4,829,843	44,620	—	8,858
	Electric utilities:				
	Publicly and Privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	15,785,101	129,207	20,560	356,000
16	Commercial	6,086,674	34,747	18,088	121,300
17	Power—excluding deliveries to electric boilers	36,168,984	720,055	7,872	683,217
18	— deliveries to electric boilers	1,602,370	—	—	—
19	Street lighting	507,706	4,073	995	10,046
20	Total sold to ultimate customers	60,150,835	888,082	47,515	1,170,563
21	Losses and unaccounted for	7,866,768	105,696	9,366	171,256
22	Total disposed of in Canada	68,019,603	993,778	56,881	1,341,819
23	Per cent of total for Canada	100.00	1.46	0.08	1.97
	Exported:				
24	Total other provinces — primary .....	...	—	—	8,858
25	— secondary .....	...	—	—	—
26	To United States — primary	1,263,889	—	—	—
27	— secondary	3,521,171	—	—	—
28	Total exported	4,785,060	—	—	8,858

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 4. Energy Made Available, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No
thousands of kilowatt-hours ¹								
1,404,761	38,131,427	30,112,440	3,377,389	1,766,344	2,431,902	10,724,037	127,246	1
1.54	41.89	33.08	3.71	1.94	2.67	11.78	0.14	2
23,156	66,400	5,071,120	533,792	2,315	24,297	3,139	—	3
4,525	710	285,472	—	316	573	277,664	—	4
27,681	67,110	5,356,592	533,792	2,631	24,870	280,803	—	5
—	4,935,076	23,316	152,657	532,256	3,139	24,297	—	6
48,649	549,040 ²	4,222,225 ²	22	—	—	9,907	—	7
48,649	5,484,116	4,245,541	152,679	532,256	3,139	34,204	—	8
1,383,793	32,714,421	31,223,491	3,758,502	1,236,719	2,453,633	10,970,636	127,246	9
1.59	37.70	35.98	4.33	1.43	2.83	12.64	0.15	10
385,782	8,537,151	1,826,356	63,049	58,693	177,043	6,243,327	53,316	11
1,450	455,030	51,559	—	6	200	181,533	813	12
996,561	23,722,240	29,345,576	3,695,453	1,178,020	2,276,390	4,545,776	73,117	13
1.46	34.77	43.01	5.41	1.73	3.34	6.66	0.11	14

² Exports from Quebec to U.S.A. via Cedars Rapids, previously credited to Ontario, are now shown as Quebec exports.

TABLE 5. Disposal of Energy, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No
thousands of kilowatt-hours								
225,210	3,582,204	7,594,393	1,247,563	470,075	564,048	1,657,619	7,268	1
91,425	1,558,600	2,609,398	428,508	166,344	276,551	798,711	8,138	2
562,349	14,901,929	15,165,803	1,286,949	326,482	1,144,294	1,421,814	49,636	3
—	1,236,117	48,113	310,950	—	942	—	6,248	4
10,910	115,800	228,684	33,943	19,725	29,853	57,218	192	5
889,894	21,394,650	25,646,391	3,307,913	982,626	2,015,688	3,935,362	71,482	6
106,667	2,327,590	3,699,185	387,540	195,394	260,702	610,414	1,635	7
996,561	23,722,240	29,345,576	3,695,453	1,178,020	2,276,390	4,545,776	73,117	8
1.46	34.77	43.01	5.41	1.73	3.34	6.66	0.11	9
—	4,252,804	14,383	137,564	532,256	3,139	24,284	—	10
—	682,272	8,933	15,093	—	—	13	—	11
24,312	506,504 ²	767,953 ²	22	—	—	9,881	—	12
24,337	42,536	3,454,272	—	—	—	26	—	13
48,649	5,484,116	4,245,541	152,679	532,256	3,139	34,204	—	14
225,210	3,569,120	7,570,513	1,243,707	469,979	563,530	1,630,007	7,268	15
90,978	1,551,627	2,605,201	427,178	166,343	276,390	786,843	7,979	16
560,544	14,871,480	15,111,962	1,286,884	326,452	1,142,621	1,408,261	49,636	17
—	1,236,117	48,113	310,950	—	942	—	6,248	18
10,910	114,913	228,791	33,856	19,725	29,843	56,362	192	19
887,642	21,343,257	25,562,580	3,302,575	982,499	2,013,326	3,881,473	71,323	20
106,487	2,321,285	3,699,185	387,365	195,394	260,702	610,397	1,635	21
994,129	23,664,542	29,261,765	3,689,940	1,177,893	2,274,028	4,491,870	72,958	22
1.46	34.79	43.02	5.43	1.73	3.34	6.61	0.11	23
—	4,252,804	14,383	137,564	504,319	3,139	24,284	—	24
—	682,272	8,933	15,093	—	—	13	—	25
19,604	506,504 ²	727,878 ²	22	—	—	9,881	—	26
24,337	42,536	3,454,272	—	—	—	26	—	27
43,941	5,484,116	4,205,466	152,679	504,319	3,139	34,204	—	28

² Exports from Quebec to U.S.A. via Cedars Rapids, previously credited to Ontario, are now shown as Quebec exports.

TABLE 5. Disposal of Energy, 1957 — Concluded

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities — Concluded:				
	Publicly-operated:				
	To ultimate customers in Canada:				
1	Domestic and farm ¹	11,722,626	314	3,598	93,068
2	Commercial	4,434,106	170	1,648	38,520
3	Power — excluding deliveries to electric boilers	20,108,776	15	1,800	268,384
4	— deliveries to electric boilers	612,609	—	—	—
5	Street lighting	387,412	59	323	3,649
6	Total sold to ultimate customers	37,265,529	558	7,369	403,621
7	Losses and unaccounted for	5,298,798	8	1,449	53,596
8	Total disposed of in Canada	42,564,327	566	8,818	457,217
9	Per cent of total for Canada	100.00	0.00	0.02	1.07
	Exported:				
10	To other provinces — primary .....	...	—	—	—
11	— secondary .....	...	—	—	—
12	To United States — primary	895,710	—	—	—
13	— secondary	3,466,427	—	—	—
14	Total exported	4,362,137	—	—	—
	Privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	4,062,475	128,393	16,962	262,932
16	Commercial	1,652,568	34,577	16,440	82,780
17	Power — excluding deliveries to electric boilers	16,060,208	720,040	6,072	414,833
18	— deliveries to electric boilers	989,761	—	—	—
19	Street lighting	120,294	4,014	672	6,397
20	Total sold to ultimate customers	22,885,306	887,524	40,146	766,942
21	Losses and unaccounted for	2,569,970	105,638	7,917	117,660
22	Total disposed of in Canada	25,455,276	993,212	48,063	884,602
23	Per cent of total for Canada	100.00	3.90	0.19	3.48
	Exported:				
24	To other provinces — primary .....	...	—	—	8,858
25	— secondary .....	...	—	—	—
26	To United States — primary	368,179	—	—	—
27	— secondary	54,744	—	—	—
28	Total exported	422,923	—	—	8,858
	Industrial establishments:				
	To ultimate customers in Canada:				
29	Domestic and farm ¹	72,517	3,471	—	—
30	Commercial	25,900	764	—	—
31	Power — excluding deliveries to electric boilers	103,186	1,704	—	66
32	— deliveries to electric boilers	—	—	—	—
33	Street lighting	3,733	—	—	—
34	Total sold to ultimate customers	205,336	5,939	—	66
35	Losses and unaccounted for	7,187	510	—	—
36	Total disposed of in Canada	212,523	6,449	—	66
37	Per cent of total for Canada	100.00	3.03	—	0.03
	Exported:				
38	To other provinces — primary .....	...	44,620	—	—
39	— secondary .....	...	—	—	—
40	To United States — primary	44,783	—	—	—
41	— secondary	—	—	—	—
42	Total exported	44,783	44,620	—	—

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 5. Disposal of Energy, 1957 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
167,165	1,754,571	7,403,025	1,228,020	433,211	306,014	332,822	818	1
58,130	847,021	2,552,353	422,485	155,644	199,429	157,765	941	2
217,693	4,209,531	13,219,513	804,941	286,509	450,387	601,339	48,664	3
—	246,356	48,113	310,950	—	942	—	6,248	4
7,587	66,540	221,930	32,374	18,567	21,069	15,305	9	5
450,575	7,124,019	23,444,934	2,798,770	893,931	977,841	1,107,231	56,680	6
91,064	886,244	3,519,837	387,365	147,157	93,404	117,740	934	7
541,639	8,010,263	26,964,771	3,186,135	1,041,088	1,071,245	1,224,971	57,614	8
1.27	18.82	63.35	7.49	2.45	2.52	2.88	0.13	9
—	1,362,107	14,383	135,249	—	—	—	—	10
—	493,976	8,933	15,093	—	—	13	—	11
—	501,488 ²	394,200	22	—	—	—	—	12
12,155	—	3,454,272	—	—	—	—	—	13
12,155	2,357,571	3,871,788	150,364	—	—	13	—	14
58,045	1,814,549	167,488	15,687	36,768	257,516	1,297,185	6,450	15
32,848	704,606	52,848	4,693	10,699	76,961	629,078	7,038	16
342,851	10,661,949	1,892,449	481,943	39,943	692,234	806,922	972	17
—	989,761	—	—	—	—	—	—	18
3,323	48,373	4,861	1,482	1,158	8,774	41,057	183	19
437,067	14,219,238	2,117,646	503,805	88,568	1,035,485	2,774,242	14,643	20
15,423	1,435,041	179,348	—	48,237	167,298	492,657	701	21
452,490	15,654,279	2,296,994	503,805	136,805	1,202,783	3,266,899	15,344	22
1.78	61.50	9.02	1.98	0.54	4.72	12.83	0.06	23
—	2,890,697	—	2,315	504,319	3,139	24,284	—	24
—	188,296	—	—	—	—	—	—	25
19,604	5,016	333,678 ²	—	—	—	9,881	—	26
12,182	42,536	—	—	—	—	26	—	27
31,786	3,126,545	333,678	2,315	504,319	3,139	34,191	—	28
—	13,084	23,880	3,856	96	518	27,612	—	29
447	6,973	4,197	1,330	1	161	11,868	159	30
1,805	30,449	53,841	65	30	1,673	13,553	—	31
—	—	—	—	—	—	—	—	32
—	887	1,893	87	—	10	856	—	33
2,252	51,393	83,811	5,338	127	2,362	53,889	159	34
180	6,305	—	175	—	—	17	—	35
2,432	57,698	83,811	5,513	127	2,362	53,906	159	36
1.14	27.15	39.44	2.59	0.06	1.11	25.37	0.08	37
—	—	—	—	27,937	—	—	—	38
—	—	—	—	—	—	—	—	39
4,708	—	40,075	—	—	—	—	—	40
—	—	—	—	—	—	—	—	41
4,708	—	40,075	—	27,937	—	—	—	42

² Exports from Quebec to U.S.A. via Cedars Rapids, previously credited to Ontario, are now shown as Quebec exports.

TABLE 6. Customers at End of Year, 1957

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
Electric utilities and industrial establishments:					
Ultimate customers in Canada:					
1	Domestic and farm ¹	4,004,200	51,187	15,044	158,065
2	Commercial	506,509	5,160	2,725	20,626
3	Power	95,720	669	233	5,889
4	Street lighting	4,749	18	12	131
5	Total ultimate customers	4,611,178	57,034	18,014	184,711
6	Per cent of total for Canada	100.00	1.24	0.39	4.01
Electric utilities:					
Publicly and privately-operated:					
Ultimate customers in Canada:					
7	Domestic and farm ¹	3,991,025	49,791	15,044	158,065
8	Commercial	505,314	5,053	2,725	20,626
9	Power	95,593	626	233	5,888
10	Street lighting	4,731	18	12	131
11	Total ultimate customers	4,596,663	55,488	18,014	184,710
12	Per cent of total for Canada	100.00	1.21	0.39	4.02
Publicly-operated:					
Ultimate customers in Canada:					
13	Domestic and farm ¹	2,779,436	457	2,943	58,358
14	Commercial	347,950	54	366	8,515
15	Power	62,829	7	71	1,446
16	Street lighting	2,546	1	1	66
17	Total ultimate customers	3,192,761	519	3,381	68,385
18	Per cent of total for Canada	100.00	0.02	0.11	2.14
Privately-operated:					
Ultimate customers in Canada:					
19	Domestic and farm ¹	1,211,589	49,334	12,101	99,707
20	Commercial	157,364	4,999	2,359	12,111
21	Power	32,764	619	162	4,442
22	Street lighting	2,185	17	11	65
23	Total ultimate customers	1,403,902	54,969	14,633	116,325
24	Per cent of total for Canada	100.00	3.91	1.04	8.29
Industrial establishments:					
Ultimate customers in Canada:					
25	Domestic and farm ¹	13,175	1,396	—	—
26	Commercial	1,195	107	—	—
27	Power	127	43	—	1
28	Street lighting	18	—	—	—
29	Total ultimate customers	14,515	1,546	—	1
30	Per cent of total for Canada	100.00	10.65	—	0.01

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 6. Customers at End of Year, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
123,893	1,089,416	1,549,668	211,642	182,426	237,719	382,222	2,918	1
13,608	132,445	166,198	36,002	31,106	38,895	58,995	749	2
2,128	18,349	25,553	10,676	5,708	18,328	8,098	89	3
132	1,586	780	529	829	511	215	6	4
139,761	1,241,796	1,742,199	258,849	220,069	295,453	449,530	3,762	5
3.03	26.93	37.78	5.61	4.77	6.41	9.75	0.08	6
123,893	1,086,694	1,545,962	211,033	182,313	237,168	378,144	2,918	7
13,607	131,996	165,993	35,953	31,105	38,872	58,637	747	8
2,127	18,325	25,537	10,675	5,690	18,325	8,078	89	9
132	1,580	775	528	829	509	211	6	10
139,759	1,238,595	1,738,267	258,189	219,937	294,874	445,070	3,760	11
3.04	26.95	37.82	5.62	4.78	6.41	9.68	0.08	12
100,567	501,311	1,513,350	208,014	172,009	130,839	91,240	348	13
10,517	64,044	162,516	35,661	30,030	20,686	15,406	155	14
1,697	9,046	25,239	10,627	5,395	7,179	2,107	15	15
113	144	717	526	821	15	141	1	16
112,894	574,545	1,701,822	254,828	208,255	158,719	108,894	519	17
3.54	17.99	53.30	7.98	6.52	4.97	3.41	0.02	18
23,326	585,383	32,612	3,019	10,304	106,329	286,904	2,570	19
3,090	67,952	3,477	292	1,075	18,186	43,231	592	20
430	9,279	298	48	295	11,146	5,971	74	21
19	1,436	58	2	8	494	70	5	22
26,865	664,050	36,445	3,361	11,682	136,155	336,176	3,241	23
1.91	47.30	2.60	0.24	0.83	9.70	23.95	0.23	24
—	2,722	3,706	609	113	551	4,078	—	25
1	449	205	49	1	23	358	2	26
1	24	16	1	18	3	20	—	27
—	6	5	1	—	2	4	—	28
2	3,201	3,932	660	132	579	4,460	2	29
0.01	22.05	27.09	4.55	0.91	3.99	30.73	0.01	30

TABLE 7. Revenue From Sale of Electricity, 1957

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities and industrial establishments:				
	Revenue from ultimate customers in Canada:				
1	Domestic and farm ¹	257,038	3,194	1,047	9,173
2	Commercial	119,501	1,115	766	4,332
3	Power—excluding deliveries to electric boilers	247,609	4,485	180	9,200
4	—deliveries to electric boilers	2,660	—	—	—
5	Street lighting	11,906	114	52	421
6	Total revenue from ultimate customers	638,714	8,908	2,045	23,126
7	Per cent of total for Canada	100.00	1.39	0.32	3.62
	Revenue from electricity exported:				
8	To other provinces—primary .....	...	—	—	167
9	—secondary .....	...	—	—	—
10	To United States—primary	4,676	—	—	—
11	—secondary	13,106	—	—	—
12	Total revenue from exports	17,782	—	—	167
13	Total (Ultimate customers and exports)	656,496	8,908	2,045	23,293
	Electric utilities:				
	Publicly and privately-operated:				
	Revenue from ultimate customers in Canada:				
14	Domestic and farm ¹	256,015	3,071	1,047	9,173
15	Commercial	119,009	1,088	766	4,332
16	Power—excluding deliveries to electric boilers	247,019	4,416	180	9,199
17	—deliveries to electric boilers	2,660	—	—	—
18	Street lighting	11,870	114	52	421
19	Total revenue from ultimate customers	636,573	8,689	2,045	23,125
20	Per cent of total for Canada	100.0	1.36	0.32	3.63
	Revenue from electricity exported:				
21	To other provinces—primary .....	...	—	—	167
22	—secondary .....	...	—	—	—
23	To United States—primary	4,474	—	—	—
24	—secondary	13,106	—	—	—
25	Total revenue from exports	17,580	—	—	167
26	Total (Ultimate customers and exports)	654,153	8,689	2,045	23,292
	Publicly-operated:				
	Revenue from ultimate customers in Canada:				
27	Domestic and farm ¹	176,494	22	210	2,736
28	Commercial	79,389	12	96	1,163
29	Power—excluding deliveries to electric boilers	154,277	3	65	2,374
30	—deliveries to electric boilers	894	—	—	—
31	Street lighting	8,414	2	14	118
32	Total revenue from ultimate customers	419,468	39	385	6,391
33	Per cent of total for Canada	100.00	0.01	0.09	1.52

See footnotes on pages 28 and 29.

TABLE 7. Revenue From Sale of Electricity, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
7,906	56,112	103,377	14,052	14,625	13,788	33,421	343	1
2,801	28,402	40,582	6,127	6,072	9,459	19,324	521	2
5,912	81,350	104,295	7,347	5,905	14,650	13,298	987	3
—	2,179	68	378	—	10	—	25	4
400	2,590	4,962	577	640	1,045	1,092	13	5
17,019	170,633	253,284	28,481	27,242	38,952	67,135	1,889	6
2.66	26.71	39.66	4.46	4.27	6.10	10.51	0.30	7
—	12,081	132	346	1,264	—	76	—	8
—	1,374	9	9	—	—	3	—	9
163	1,331 ²	3,146 ²	1	—	—	35	—	10
189	230	12,685	—	—	—	2	—	11
352	15,016	15,972	356	1,264	—	113	—	12
17,371	185,649	269,256	28,837	28,506	38,952	67,248	1,889	13
7,906	55,905	103,141	14,014	14,618	13,745	33,052	343	14
2,795	28,252	40,522	6,115	6,072	9,453	19,132	482	15
5,902	81,187	104,116	7,346	5,902	14,616	13,168	987	16
—	2,179	68	378	—	10	—	25	17
400	2,578	4,950	577	640	1,045	1,080	13	18
17,003	170,101	252,797	28,430	27,232	38,869	66,432	1,850	19
2.67	26.72	39.71	4.47	4.28	6.11	10.44	0.29	20
—	12,081	132	346	1,264	—	76	—	21
—	1,374	9	9	—	—	3	—	22
142	1,331 ²	2,965 ²	1	—	—	35	—	23
189	230	12,685	—	—	—	2	—	24
331	15,016	15,791	356	1,264	—	113	—	25
17,334	185,117	268,588	28,786	28,496	38,869	66,545	1,850	26
6,177	24,410	100,965	13,709	13,820	6,707	7,686	52	27
1,749	15,623	39,529	6,015	5,728	5,555	3,848	71	28
4,078	28,330	95,109	7,322	5,332	5,553	5,179	932	29
—	413	68	378	—	10	—	25	30
257	1,020	4,858	572	609	637	326	1	31
12,261	69,796	240,529	27,996	25,489	18,462	17,039	1,081	32
2.92	16.64	57.34	6.68	6.08	4.40	4.06	0.26	33

TABLE 7. Revenue From Sale of Electricity, 1957 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Concluded:				
	Publicly-operated — concluded:				
	Revenue from electricity exported:				
1	To other provinces — primary .....	...	—	—	—
2	— secondary .....	...	—	—	—
3	To United States — primary	2,968	—	—	—
4	— secondary	12,776	—	—	—
5	Total revenue from exports	15,744	—	—	—
6	Total (Ultimate customers and exports)	435,212	39	385	6,612
	Privately-operated:				
	Revenue from ultimate customers in Canada:				
7	Domestic and farm ¹	79,521	3,049	837	6,437
8	Commercial	39,620	1,076	670	3,169
9	Power—excluding deliveries to electric boilers....	92,742	4,413	115	6,825
10	—deliveries to electric boilers	1,766	—	—	—
11	Street lighting	3,456	112	38	303
12	Total revenue from ultimate customers	217,105	8,650	1,660	16,734
13	Per cent of total for Canada	100.00	3.98	0.77	7.71
	Revenue from electricity exported:				
14	To other provinces — primary .....	...	—	—	167
15	— secondary .....	...	—	—	—
16	To United States — primary	1,506	—	—	—
17	— secondary	330	—	—	—
18	Total revenue from exports	1,836	—	—	167
19	Total (Ultimate customers and exports)	218,941	8,650	1,660	16,901
	Industrial establishments:				
	Revenue from ultimate customers in Canada:				
20	Domestic and farm ¹	1,023	123	—	—
21	Commercial	492	27	—	—
22	Power—excluding deliveries to electric boilers	590	69	—	1
23	—deliveries to electric boilers	—	—	—	—
24	Street lighting	36	—	—	—
25	Total revenue from ultimate customers	2,141	219	—	1
26	Per cent of total for Canada	100.00	10.23	—	0.05
	Revenue from electricity exported:				
27	To other provinces — primary .....	...	—	—	—
28	— secondary .....	...	—	—	—
29	To United States — primary	202	—	—	—
30	—secondary	—	—	—	—
31	Total revenue from exports	202	—	—	—
32	Total (Ultimate customers and exports)	2,343	219	—	1

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.² Revenue for exports from Quebec via Cedars Rapids, previously shown as Ontario, is now shown as Quebec.

TABLE 7. Revenue From Sale of Electricity, 1957 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
—	3,043	132	309	—	—	—	—	1
—	925	9	9	—	—	^s	—	2
—	1,262 ²	1,705	1	—	—	—	—	3
91	—	12,685	—	—	—	—	—	4
91	5,230	14,531	319	—	—	—	—	5
12,352	75,026	255,060	28,315	25,489	18,462	17,039	1,081	6
1,729	31,495	2,176	305	798	7,038	25,366	291	7
1,046	12,629	993	100	344	3,898	15,284	411	8
1,824	52,857	9,007	24	570	9,063	7,989	55	9
—	1,766	—	—	—	—	—	—	10
143	1,558	92	5	31	408	754	12	11
4,742	100,305	12,268	434	1,743	20,407	49,393	769	12
2.18	46.20	5.65	0.20	0.80	9.40	22.75	0.36	13
—	9,038	—	37	1,264	—	76	—	14
—	449	—	—	—	—	—	—	15
142	69	1,260 ²	—	—	—	35	—	16
98	230	—	—	—	—	2	—	17
240	9,786	1,260	37	1,264	—	113	—	18
4,982	110,091	13,528	471	3,007	20,407	49,506	769	19
—	207	236	38	7	43	369	—	20
6	150	60	12	—	6	192	39	21
10	163	179	1	3	34	130	—	22
—	—	—	—	—	—	—	—	23
—	12	12	—	—	—	12	—	24
16	532	487	51	10	83	703	39	25
0.75	24.85	22.74	2.38	0.47	3.88	32.83	1.82	26
—	—	—	—	—	—	—	—	27
—	—	—	—	—	—	—	—	28
21	—	181	—	—	—	—	—	29
—	—	—	—	—	—	—	—	30
21	—	181	—	—	—	—	—	31
37	532	668	51	10	83	703	39	32

^s Revenue less than \$1,000.

TABLE 8. Domestic and Farm Service, 1939 - 1957¹

No.			Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:					
	Customers:					
1	1939	No.	1,623,672	..	5,067	62,034
2	1945	"	1,987,360	..	6,387	84,011
3	1956	"	3,833,913	48,906	14,062	154,231
4	1957	"	4,004,200	51,187	15,044	158,065
	Kilowatt-hours sold:					
5	1939	'000 kwh.	2,310,891	..	2,908	39,084
6	1945	"	3,365,497	..	5,217	70,099
7	1956	"	14,337,628	121,714	18,957	319,243
8	1957	"	15,857,618	132,678	20,560	356,000
	Revenue received:					
9	1939	\$'000	43,793	..	163	1,709
10	1945	"	55,736	..	239	2,286
11	1956	"	235,446	2,944	921	8,680
12	1957	"	257,038	3,194	1,047	9,173
	Kilowatt-hours per customer:					
13	1939	kwh.	1,423	..	574	630
14	1945	"	1,693	..	817	834
15	1956	"	3,740	2,489	1,348	2,070
16	1957	"	3,960	2,592	1,367	2,252
	Average annual bill:					
17	1939	\$	26.97	..	32.21	27.56
18	1945	\$	28.05	..	37.35	27.21
19	1956	\$	61.41	60.20	65.50	56.28
20	1957	\$	64.19	62.40	69.60	58.03
	Revenue per kilowatt-hour:					
21	1939	cents	1.90	..	5.61	4.37
22	1945	"	1.66	..	4.57	3.26
23	1956	"	1.64	2.42	4.86	2.72
24	1957	"	1.62	2.41	5.09	2.58
	Farm service, 1957: ¹					
25	Customers	No.	456,248	1,273	6,883	24,373
26	Kilowatt-hours sold	'000 kwh.	1,557,931	1,736	7,106	27,872
27	Revenue received	\$'000	36,863	82	461	1,082
28	Kilowatt-hours per customer	kwh.	3,415	1,364	1,032	1,144
29	Average annual bill	\$	80.80	64.41	66.98	44.39
30	Revenue per kilowatt-hour	cents	2.37	4.72	6.49	3.88

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records. At the bottom of the page, however, farm figures are tabulated as reported.

TABLE 8. Domestic and Farm Service, 1939-1957¹

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
46,485	434,825	719,871	81,091	49,980	68,267	156,052	..	1
62,175	558,865	839,968	94,673	61,285	87,005	192,991	..	2
120,537	1,034,157	1,492,986	208,039	169,527	222,222	366,438	2,808	3
123,893	1,089,416	1,549,668	211,642	182,426	237,719	382,222	2,918	4
26,989	311,420	1,374,325	320,827	41,198	42,210	151,930	..	5
45,958	507,274	1,963,043	416,499	58,402	63,962	235,043	..	6
195,768	3,104,970	7,049,217	1,172,579	400,215	501,260	1,445,059	8,646	7
225,210	3,582,204	7,594,393	1,247,563	470,075	564,048	1,657,619	7,268	8
1,308	9,167	19,658	3,312	2,004	2,145	4,327	..	9
1,883	11,926	23,699	4,238	2,566	2,932	5,967	..	10
7,335	50,129	95,942	13,520	12,690	12,573	30,271	441	11
7,906	56,112	103,377	14,052	14,625	13,788	33,421	343	12
581	716	1,909	3,956	824	618	974	..	13
739	908	2,337	4,399	953	735	1,218	..	14
1,624	3,002	4,722	5,636	2,361	2,256	3,944	3,079	15
1,818	3,288	4,901	5,895	2,577	2,373	4,337	2,491	16
28.13	21.08	27.31	40.84	40.10	31.42	27.73	..	17
30.29	21.34	28.21	44.76	41.87	33.70	30.92	..	18
60.85	48.47	64.26	64.99	74.86	56.58	82.61	157.05	19
63.81	51.51	66.71	66.40	80.17	58.00	87.44	117.55	20
4.85	2.94	1.43	1.03	4.87	5.08	2.85	..	21
4.10	2.35	1.21	1.02	4.39	4.59	2.54	..	22
3.75	1.61	1.36	1.15	3.17	2.51	2.09	5.10	23
3.51	1.57	1.36	1.13	3.11	2.44	2.02	4.72	24
29,865	105,162	143,470	38,120	44,955	37,595	24,552	—	25
40,490	221,746	700,811	161,534	111,934	123,944	160,758	—	26
1,775	5,519	14,730	3,272	4,499	2,813	2,630	—	27
1,356	2,109	4,885	4,238	2,490	3,297	6,548	—	28
59.43	52.48	102.67	85.83	100.08	74.82	107.12	—	29
4.38	2.49	2.10	2.03	4.02	2.27	1.64	—	30

TABLE 9. Pole Line Mileage at End of Year, 1957

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	Steel—towers	10,122	64	—	21
2	— poles	234	47	—	1
3	Aluminum—towers	—	—	—	—
4	— poles	1	—	—	—
5	Wood poles	270,239	2,133	1,237	10,728
6	Concrete poles	569	—	—	—
7	Other	65	—	—	—
8	Cable (underground and submarine)	4,076	10	—	30
9	Total pole line mileage	285,306	2,254	1,237	10,780
10	Per cent of total for Canada	100.00	0.79	0.43	3.78

TABLE 10. Circuit Mileage of Electric Line at End of Year, 1957

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	20,000- 49,999 volts	27,961	1,583	42	928
2	50,000- 99,999 "	10,559	272	—	794
3	100,000-149,999 "	11,928	—	—	—
4	150,000-199,999 "	251	—	—	—
5	200,000-249,999 "	4,458	—	—	—
6	250,000-299,999 "	—	—	—	—
7	300,000-349,999 "	203	—	—	—
8	350,000 volts and over	—	—	—	—
9	Total circuit mileage¹	55,360	1,855	42	1,722
10	Per cent of total for Canada	100.00	3.35	0.08	3.11

¹ Includes all circuits, overhead or underground, of 22,000 volts and over whether described as transmission or distribution.

TABLE 11. Transformers With High Voltage Rating of 15 KV or Over at End of Year, 1957

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	Number	65,802	146	4	457
2	Total Kva	41,680,584	356,058	6,000	880,406

TABLE 9. Pole Line Mileage at End of Year, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
436	2,763	5,286	899	15	49	589	—	1
—	77	71	3	17	18	—	—	2
—	—	—	—	—	—	—	—	3
—	—	1	—	—	—	—	—	4
8,949	37,702	64,869	33,262	54,605	42,394	14,164	196	5
—	5	562	—	2	—	—	—	6
—	—	65	—	—	—	—	—	7
7	1,278	1,923	153	61	297	317	—	8
9,392	41,825	72,777	34,317	54,700	42,758	15,070	196	9
3.29	14.66	25.51	12.03	19.17	14.99	5.28	0.07	10

TABLE 10. Circuit Mileage of Electric Line at End of Year, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
127	3,004	6,612	1,711	6,909	6,878	165	2	1
1,043	1,345	219	1,497	1,526	1,547	2,284	32	2
261	1,577	6,470	1,657	—	1,054	819	90	3
—	227	—	—	24	—	—	—	4
—	841	3,408	—	—	—	209	—	5
—	—	—	—	—	—	—	—	6
—	—	—	—	—	—	203	—	7
—	—	—	—	—	—	—	—	8
1,431	6,994	16,709	4,865	8,459	9,479	3,680	124	9
2.59	12.63	30.18	8.79	15.28	17.12	6.65	0.22	10

TABLE 11. Transformers With High Voltage Rating of 15 KV or Over at End of Year, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
225	1,679	13,092	952	45,708	1,767	1,756	16	1
584,118	6,744,634	27,655,095	2,492,369	703,618	1,451,686	781,100	25,500	2

TABLE 12. Fuel Used to Generate Electricity, 1957

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
	Quantity of fuel:				
	Coal:				
1	Bituminous — Canadian short ton	670, 145	—	—	458, 436
2	—imported "	722, 275	—	—	—
3	Sub-bituminous "	264, 455	—	—	—
4	Saskatchewan lignite "	307, 591	—	—	—
5	Other "	17, 411	—	—	—
6	Total coal "	1, 981, 877	—	—	458, 436
	Petroleum fuels:				
7	Furnace fuel oil — light Imp. gallon	788, 235	—	—	113, 638
8	—heavy "	29, 870, 689	—	—	6, 877, 970
9	Diesel fuel oil "	10, 053, 851	230, 672	240, 541	343, 369
10	Other "	26, 941, 833	129, 223	4, 874, 523	—
11	Total petroleum fuels "	67, 654, 608	359, 895	5, 115, 064	7, 334, 977
	Gas:				
12	Natural '000 cu. ft.	22, 126, 088	—	—	—
13	Manufactured "	—	—	—	—
14	Total gas "	22, 126, 088	—	—	—
15	Other fuels —	—	—	—	—
	Cost of fuel:				
	Coal:				
16	Bituminous — Canadian \$	6, 793, 270	—	—	4, 724, 266
17	—imported \$	6, 227, 947	—	—	—
18	Sub-bituminous \$	763, 765	—	—	—
19	Saskatchewan lignite \$	529, 205	—	—	—
20	Other \$	80, 033	—	—	—
21	Total coal \$	14, 394, 220	—	—	4, 724, 266
	Petroleum fuels:				
22	Furnace fuel oil — light \$	127, 292	—	—	14, 045
23	—heavy \$	1, 795, 561	—	—	543, 143
24	Diesel fuel oil \$	2, 194, 601	46, 067	42, 400	66, 348
25	Other \$	2, 059, 150	57, 338	381, 375	—
26	Total petroleum fuels \$	6, 176, 604	103, 405	423, 775	623, 536
	Gas:				
27	Natural \$	3, 161, 831	—	—	—
28	Manufactured \$	—	—	—	—
29	Total gas \$	3, 161, 831	—	—	—
30	Other fuels \$	—	—	—	—
31	Total — all fuels \$	23, 732, 655	103, 405	423, 775	5, 347, 802
32	Per cent of total for Canada	100. 00	0. 44	1. 79	22. 53

TABLE 12. Fuel Used to Generate Electricity, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
211,595	—	—	4	—	—	110	—	1
—	—	722,275	—	—	—	—	—	2
—	—	—	—	130,838	133,617	—	—	3
—	—	—	6,373	301,218	—	—	—	4
—	—	—	—	17,411	—	—	—	5
211,595	—	722,275	6,377	449,467	133,617	110	—	6
139,516	—	429,181	—	—	—	—	105,900	7
1,435,088	—	—	—	21,557,631	—	—	—	8
327,429	577,229	485,062	278,875	833,466	475,928	6,043,848	217,432	9
473,660	—	—	—	20,017,126	166,746	1,280,555	—	10
2,375,693	577,229	914,243	278,875	42,408,223	642,674	7,324,403	323,332	11
—	—	—	—	3,380,108	18,203,343	542,637	—	12
—	—	—	—	—	—	—	—	13
—	—	—	—	3,380,108	18,203,343	542,637	—	14
—	—	—	—	—	—	—	—	15
2,067,620	—	—	33	—	—	1,351	—	16
—	—	6,227,947	—	—	—	—	—	17
—	—	—	—	601,677	162,088	—	—	18
—	—	—	30,577	498,628	—	—	—	19
—	—	—	—	80,033	—	—	—	20
2,067,620	—	6,227,947	30,610	1,180,338	162,088	1,351	—	21
22,172	—	61,717	—	—	—	—	29,358	22
120,129	—	—	—	1,132,289	—	—	—	23
65,722	96,566	149,331	57,898	150,559	85,499	1,382,056	52,155	24
60,339	—	—	—	1,364,178	10,005	185,915	—	25
268,362	96,566	211,048	57,898	2,647,026	95,504	1,567,971	81,513	26
—	—	—	—	951,596	2,060,271	149,964	—	27
—	—	—	—	—	—	—	—	28
—	—	—	—	951,596	2,060,271	149,964	—	29
—	—	—	—	—	—	—	—	30
2,335,982	96,566	6,438,995	88,508	4,778,960	2,317,863	1,719,286	81,513	31
9.84	0.41	27.13	0.37	20.14	9.77	7.24	0.34	32

TABLE 12. Fuel Used to Generate Electricity, 1957 - Concluded

No.			Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities - Publicly and privately-operated -					
	Concluded:					
	Average BTU content of fuel:					
	Coal:					
1	Bituminous - Canadian	per pound	11,791	-	-	11,878
2	- imported	"	12,305	-	-	-
3	Sub-bituminous	"	8,290	-	-	-
4	Saskatchewan lignite	"	7,001	-	-	-
5	Other	"	8,300	-	-	-
	Petroleum fuels:					
6	Furnace fuel oil - light	per Imp. gal.	167,887	-	-	168,210
7	- heavy	"	177,369	-	-	184,135
8	Diesel fuel oil	"	165,000	164,200	163,000	165,825
9	Other	"	183,803	176,900	181,500	-
	Gas:					
10	Natural	per stand. cu. ft. ¹	1,004	-	-	-
11	Manufactured	"	-	-	-	-
	Energy generated ² :					
	By coal:					
12	Bituminous - Canadian	'000 kwh.	1,033,227	-	-	714,561
13	- imported	"	1,454,124	-	-	-
14	Sub-bituminous	"	280,075	-	-	-
15	Saskatchewan lignite	"	242,530	-	-	-
16	Other	"	29,500	-	-	-
17	Total coal	"	3,039,456	-	-	714,561
	By petroleum fuels:					
18	Furnace fuel oil - light	'000 kwh.	9,431	-	-	741
19	- heavy	"	355,931	-	-	137,000
20	Diesel fuel oil	"	151,840	3,434	3,142	4,833
21	Other	"	341,240	9,090	53,471	-
22	Total petroleum fuels	"	858,442	12,524	56,613	142,574
	By gas:					
23	Natural	'000 kwh.	1,585,029	-	-	-
24	Manufactured	"	-	-	-	-
25	Total gas	"	1,585,029	-	-	-
26	By other fuels	"	-	-	-	-
27	Total - all fuels	"	5,482,927	12,524	56,613	857,135
28	Per cent of total for Canada	"	100.00	0.23	1.03	15.63

¹ Standard cubic foot - 760mm. mercury, 60°F.

TABLE 12. Fuel Used to Generate Electricity, 1957 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
11,600	—	—	12,850	—	13,100	12,440	—	1
—	—	12,305	—	—	—	—	—	2
—	—	—	—	8,330	8,250	—	—	3
—	—	—	7,059	7,000	—	—	—	4
—	—	—	—	8,300	—	—	—	5
166,000	—	168,880	—	—	—	—	166,000	6
183,000	—	—	—	174,835	—	—	—	7
166,447	161,162	163,750	163,325	167,983	161,403	165,516	161,781	8
184,420	—	—	—	185,000	187,250	173,873	—	9
—	—	—	—	951	1,014	1,000	—	10
—	—	—	—	—	—	—	—	11
318,367	—	—	150	—	104	45	—	12
—	—	1,454,124	—	—	—	—	—	13
—	—	—	—	143,073	137,002	—	—	14
—	—	—	5,204	237,326	—	—	—	15
—	—	—	—	29,500	—	—	—	16
318,367	—	1,454,124	5,354	409,899	137,106	45	—	17
1,482	—	5,854	—	—	—	—	1,354	18
17,047	—	42	—	201,842	—	—	—	19
3,891	7,927	4,628	3,745	12,128	11,649	93,570	2,893	20
8,096	—	—	—	263,239	2,060	5,284	—	21
30,516	7,927	10,524	3,745	477,209	13,709	98,854	4,247	22
—	—	—	—	245,161	1,291,345	48,523	—	23
—	—	—	—	—	—	—	—	24
—	—	—	—	245,161	1,291,345	48,523	—	25
—	—	—	—	—	—	—	—	26
348,883	7,927	1,464,648	9,099	1,132,269	1,442,160	147,422	4,247	27
6.36	0.15	26.71	0.17	20.65	26.30	2.69	0.08	28

² Net output after deducting station service.

TABLE 13. Employees, Wages, and Salaries, 1957

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
	Employees (excluding construction employees):				
1	Administrative No.	15,765	142	23	465
2	Operating "	22,052	454	174	1,125
3	Total employees "	37,817	596	197	1,590
4	Per cent of total for Canada	100.00	1.58	0.52	4.20
	Wages and salaries (excluding construction employees):				
5	Administrative \$'000	68,743	437	86	1,541
6	Operating "	85,209	1,329	412	3,528
7	Total wages and salaries "	153,952	1,766	498	5,069
8	Per cent of total for Canada	100.00	1.15	0.32	3.29
	Publicly-operated:				
	Employees (excluding construction employees):				
9	Administrative No.	11,475	—	13	185
10	Operating "	15,626	—	36	460
11	Total employees "	27,101	—	49	645
12	Per cent of total for Canada	100.00	—	0.18	2.38
	Wages and salaries (excluding construction employees):				
13	Administrative \$'000	48,018	—	22	627
14	Operating "	62,402	—	75	1,238
15	Total wages and salaries "	110,420	—	97	1,865
16	Per cent of total for Canada	100.00	—	0.09	1.69
	Privately-operated:				
	Employees (excluding construction employees):				
17	Administrative No.	4,290	142	10	280
18	Operating "	6,426	454	138	665
19	Total employees "	10,716	596	148	945
20	Per cent of total for Canada	100.00	5.56	1.38	8.82
	Wages and salaries (excluding construction employees):				
21	Administrative \$'000	20,725	437	64	914
22	Operating "	22,807	1,329	337	2,290
23	Total wages and salaries "	43,532	1,766	401	3,204
24	Per cent of total for Canada	100.00	4.06	0.92	7.36

TABLE 13. Employees, Wages, and Salaries, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
406	4,680	6,950	889	536	628	1,016	30	1
727	4,786	9,234	1,527	1,339	1,019	1,619	48	2
1,133	9,466	16,184	2,416	1,875	1,647	2,635	78	3
3.00	25.03	42.79	6.39	4.96	4.35	6.97	0.21	4
1,520	19,469	31,365	3,178	2,050	2,441	6,509	147	5
2,315	17,266	40,112	5,209	4,484	4,288	6,070	196	6
3,835	36,735	71,477	8,387	6,534	6,729	12,579	343	7
2.49	23.86	46.43	5.45	4.25	4.37	8.17	0.22	8
364	2,260	6,827	886	511	227	181	21	9
619	1,788	8,957	1,527	1,198	421	589	31	10
983	4,048	15,784	2,413	1,709	648	770	52	11
3.63	14.94	58.24	8.90	6.31	2.39	2.84	0.19	12
1,358	8,477	30,785	3,167	1,926	882	666	108	13
1,922	6,676	38,891	5,209	3,900	1,724	2,647	120	14
3,280	15,153	69,676	8,376	5,826	2,606	3,313	228	15
2.97	13.72	63.10	7.58	5.28	2.36	3.00	0.21	16
42	2,420	123	3	25	401	835	9	17
108	2,998	277	—	141	598	1,030	17	18
150	5,418	400	3	166	999	1,865	26	19
1.40	50.56	3.73	0.03	1.55	9.32	17.41	0.24	20
162	10,992	580	11	124	1,559	5,843	39	21
393	10,590	1,221	—	584	2,564	3,423	76	22
555	21,582	1,801	11	708	4,123	9,266	115	23
1.27	49.58	4.14	0.02	1.63	9.47	21.29	0.26	24

TABLE 14. Assets and Liabilities at End of Year, 1957

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	2,856,693	57,775	3,105	60,384
2	Transmission	1,007,831	6,947	285	11,758
3	Distribution	1,364,392	10,067	1,593	46,425
4	Other property and equipment	366,932	6,444	1,891	17,743
5	Total	5,595,848	81,233	6,874	136,310
6	Accumulated depreciation	907,129	7,344	—	21,215
7	Total, less depreciation	4,688,719	73,889	6,874	115,095
8	Other fixed assets, less depreciation	142,385	—	—	2,911
9	Total fixed assets	4,831,104	73,889	6,874	118,006
	Current Assets:				
10	Cash on hand and in banks	46,020	545	168	905
11	Temporary investments	82,588	386	—	1,519
12	Accounts receivable (net)	107,862	1,225	237	3,247
13	Inventories	96,402	1,126	169	2,451
14	Other	24,032	62	2	226
15	Total current assets	356,904	3,344	576	8,348
	Investments:				
16	In associated companies	68,646	103	—	3,122
17	Reserve fund investments	251,087	—	—	8,412
18	Other	14,351	86	—	53
19	Total investments	334,084	189	—	11,587
20	Deferred charges and prepaid expenses	250,812	57	67	349
21	Other assets	31,894	965	11	692
22	Total assets	5,804,798	78,444	7,528	138,982
	Liabilities:				
23	Long-term debt	3,554,332	37,774	2,450	76,284
	Current liabilities:				
24	Accounts payable and accrued liabilities	168,596	3,700	184	4,215
25	Loans and notes payable	50,836	937	775	3,689
26	Other	75,947	21	40	601
27	Total current liabilities	295,379	4,658	999	8,505
28	Reserves	542,353	2,694	1,453	17,742
29	Deferred credits and other liabilities	56,840	294	585	1,962
	Capital and surplus:				
30	Share capital	656,084	26,653	750	21,229
31	Surplus — capital	35,335	2,267	—	3,368
32	— earned	664,475	4,104	1,291	9,892
33	Total capital and surplus	1,355,894	33,024	2,041	34,489
34	Total liabilities	5,804,798	78,444	7,528	138,982

TABLE 14. Assets and Liabilities at End of Year, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
56,195	897,025	1,196,405	130,102	48,332	88,780	311,610	6,980	1
13,641	202,659	590,813	24,976	21,558	35,267	97,433	2,494	2
38,300	380,462	445,639	104,649	40,511	75,049	221,603	94	3
3,231	123,422	92,230	10,681	53,886	6,387	49,958	1,059	4
111,367	1,603,568	2,325,087	270,408	164,287	205,483	680,604	10,627	5
17,743	356,387	293,576	41,894	44,609	41,766	79,780	2,815	6
93,624	1,247,181	2,031,511	228,514	119,678	163,717	600,824	7,812	7
1,154	21,982	1,969	21,020	262	2,545	84,129	6,413	8
94,778	1,269,163	2,033,480	249,534	119,940	166,262	684,953	14,225	9
284	7,730	27,419	2,621	1,821	1,131	1,503	1,893	10
49	20,715	19,913	1,895	20,824	3,750	13,537	—	11
2,861	23,122	44,244	4,571	5,463	4,160	18,118	614	12
1,724	16,708	45,336	2,008	7,921	3,452	15,423	84	13
738	5,936	4,511	769	8,107	507	2,937	237	14
5,656	74,211	141,423	11,864	44,136	13,000	51,518	2,828	15
1	39,725	—	5	23,202	2,487	—	1	16
425	1,127	212,530	20,473	—	803	6,817	500	17
38	10,541	218	2,045	191	94	1,085	—	18
464	51,393	212,748	22,523	23,393	3,384	7,902	501	19
2,680	3,562	222,054	1,678	2,828	925	16,606	6	20
55	11,745	16,262	198	219	917	830	—	21
103,633	1,410,074	2,625,967	285,797	190,516	184,488	761,809	17,560	22
73,303	806,290	1,661,554	215,651	138,983	82,311	444,992	14,740	23
1,883	48,512	50,593	4,582	5,736	9,619	39,033	539	24
20,307	4,906	1,632	14	79	5,386	12,743	368	25
118	8,785	23,116	4,122	29,020	4,858	4,994	272	26
22,308	62,203	75,341	8,718	34,835	19,863	56,770	1,179	27
1,980	212,436	226,265	48,761	874	27,570	1,834	744	28
472	14,426	5,012	2,511	1,030	5,206	25,342	—	29
2,554	244,063	126,657	77	1,711	27,259	204,926	205	30
1,049	6,126	4,701	4,451	8,657	1,014	3,702	—	31
1,967	64,530	526,437	5,628	4,426	21,265	24,243	692	32
5,570	314,719	657,795	10,156	14,794	49,538	232,871	897	33
103,633	1,410,074	2,625,967	285,797	190,516	184,488	761,809	17,560	34

TABLE 14. Assets and Liabilities at End of Year, 1957 — Continued

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly-operated:				
	Assets:				
	Fixed Assets:				
	Electric utility (at original cost):				
1	Generating plant	2,064,401	—	—	29,862
2	Transmission	763,080	—	—	7,253
3	Distribution	879,270	—	—	17,271
4	Other property and equipment	217,413	—	—	845
5	Total	3,924,164	—	—	55,231
6	Accumulated depreciation	550,552	—	—	1,775
7	Total, less depreciation	3,373,612	—	—	53,456
8	Other fixed assets, less depreciation	35,940	—	—	389
9	Total fixed assets.....	3,409,552	—	—	53,845
	Current assets:				
10	Cash on hand and in banks	35,104	—	—	274
11	Temporary investments	37,470	—	—	269
12	Accounts receivable (net)	67,597	—	—	1,559
13	Inventories	71,869	—	—	708
14	Other	20,469	—	—	167
15	Total current assets	232,509	—	—	2,977
	Investments:				
16	In associated companies	23,150	—	—	—
17	Reserve fund investments	250,065	—	—	8,347
18	Other	9,106	—	—	27
19	Total investments	282,321	—	—	8,374
20	Deferred charges and prepaid expenses	235,818	—	—	99
21	Other assets	17,348	—	—	30
22	Total assets	4,177,548	—	—	65,325
	Liabilities:				
23	Long-term debt	2,775,667	—	—	39,725
	Current liabilities:				
24	Accounts payable and accrued liabilities	94,451	—	—	1,209
25	Loans and notes payable	29,390	—	—	3,244
26	Other	65,637	—	—	174
27	Total current liabilities	189,478	—	—	4,627
28	Reserves	525,873	—	—	15,856
29	Deferred credits and other liabilities	10,831	—	—	154
	Capital and surplus:				
30	Share capital	120,632	—	—	—
31	Surplus — capital	27,122	—	—	2,787
32	— earned	527,945	—	—	2,176
33	Total capital and surplus	675,699	—	—	4,963
34	Total liabilities	4,177,548	—	—	65,325

TABLE 14. Assets and Liabilities at End of Year, 1957 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
54,481	472,915	1,187,356	130,102	38,262	18,008	126,886	6,529	1
13,347	117,421	547,888	24,976	20,596	5,715	23,822	2,062	2
34,563	185,168	438,622	104,307	31,709	31,965	35,665	1	3
1,567	52,876	90,900	10,657	53,143	971	5,441	1,013	4
103,958	828,380	2,264,766	270,042	143,710	56,659	191,814	9,604	5
15,721	144,475	278,486	41,728	31,802	20,008	14,047	2,510	6
88,237	683,905	1,986,280	228,314	111,908	36,651	177,767	7,094	7
928	1,786	234	21,020	3	2,117	3,090	6,373	8
89,165	685,691	1,986,514	249,334	111,911	38,768	180,857	13,467	9
142	1,220	26,604	2,610	1,642	546	376	1,690	10
23	33	14,803	1,895	20,433	—	14	—	11
2,579	8,167	42,157	4,531	5,311	967	1,943	383	12
1,624	9,798	44,948	2,008	7,533	1,529	3,646	75	13
738	5,253	4,442	769	8,086	389	400	225	14
5,106	24,471	132,954	11,813	43,005	3,431	6,379	2,373	15
—	3	—	—	23,147	—	—	—	16
425	173	212,528	20,472	—	803	6,817	500	17
38	6,775	—	2,045	191	30	—	—	18
463	6,951	212,528	22,517	23,338	833	6,817	500	19
2,642	989	221,337	1,678	2,765	40	6,265	3	20
55	75	15,877	198	213	900	—	—	21
97,431	718,177	2,569,210	285,540	181,232	43,972	200,318	16,343	22
72,225	467,769	1,635,936	215,651	135,657	14,600	179,634	14,470	23
1,524	25,066	47,744	4,557	5,238	4,779	3,841	493	24
19,857	516	1,579	14	79	375	3,501	225	25
72	4,801	22,942	3,921	28,588	988	3,921	230	26
21,453	30,383	72,265	8,492	33,905	6,142	11,263	948	27
1,884	208,564	226,183	48,761	874	21,870	1,137	744	28
453	569	4,435	2,511	763	561	1,385	—	29
—	4,658	115,546	46	140	1	241	—	30
649	5,741	1,339	4,451	8,657	353	3,145	—	31
767	493	513,506	5,628	1,236	445	3,513	181	32
1,416	10,892	630,391	10,125	10,033	799	6,899	181	33
97,431	718,177	2,569,210	285,540	181,232	43,972	200,318	16,343	34

TABLE 14. Assets and Liabilities at End of Year, 1957 — Concluded

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	792,292	57,775	3,105	30,522
2	Transmission	244,751	6,947	285	4,505
3	Distribution	485,122	10,067	1,593	29,154
4	Other property and equipment	149,519	6,444	1,891	16,898
5	Total	1,671,684	81,233	6,874	81,079
6	Accumulated depreciation	356,577	7,344	—	19,440
7	Total, less depreciation	1,315,107	73,889	6,874	61,639
8	Other fixed assets, less depreciation	106,445	—	—	2,522
9	Total fixed assets	1,421,552	73,889	6,874	64,161
	Current assets:				
10	Cash on hand and in banks	10,916	545	168	631
11	Temporary investments	45,118	386	—	1,250
12	Accounts receivable (net)	40,265	1,225	237	1,688
13	Inventories	24,533	1,126	169	1,743
14	Other	3,563	62	2	59
15	Total current assets	124,395	3,344	576	5,371
	Investments:				
16	In associated companies	45,496	103	—	3,122
17	Reserve fund investments	1,022	—	—	65
18	Other	5,245	86	—	26
19	Total investments	51,763	189	—	3,213
20	Deferred charges and prepaid expenses	14,994	57	67	250
21	Other assets	14,546	965	11	662
22	Total assets	1,627,250	78,444	7,528	73,657
	Liabilities:				
23	Long-term debt	778,665	37,774	2,450	36,559
	Current Liabilities:				
24	Accounts payable and accrued liabilities	74,145	3,700	184	3,006
25	Loans and notes payable	21,446	937	775	445
26	Other	10,310	21	40	427
27	Total current liabilities	105,901	4,658	999	3,878
28	Reserves	16,480	2,694	1,453	1,886
29	Deferred credits and other liabilities	46,009	294	585	1,808
	Capital and surplus:				
30	Share capital	535,452	26,653	750	21,229
31	Surplus — capital	8,213	2,267	—	581
32	— earned	136,530	4,104	1,291	7,716
33	Total capital and surplus	680,195	33,024	2,041	29,526
34	Total liabilities	1,627,250	78,444	7,528	73,657

TABLE 14. Assets and Liabilities at End of Year, 1957 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
1,714	424,110	9,049	—	10,070	70,772	184,724	451	1
294	85,238	42,925	—	962	29,552	73,611	432	2
3,737	195,294	7,017	342	8,802	43,084	185,938	94	3
1,664	70,546	1,330	24	743	5,416	44,517	46	4
7,409	775,188	60,321	366	20,577	148,824	488,790	1,023	5
2,022	211,912	15,090	166	12,807	21,758	65,733	305	6
5,387	563,276	45,231	200	7,770	127,066	423,057	718	7
226	20,196	1,735	—	259	428	81,039	40	8
5,613	583,472	46,966	200	8,029	127,494	504,096	758	9
142	6,510	815	11	179	585	1,127	203	10
26	20,682	5,110	—	391	3,750	13,523	—	11
282	14,955	2,087	40	152	3,193	16,175	231	12
100	6,910	388	—	388	1,923	11,777	9	13
—	683	69	—	21	118	2,537	12	14
550	49,740	8,469	51	1,131	9,569	45,139	455	15
1	39,722	—	5	55	2,487	—	1	16
—	954	2	1	—	—	—	—	17
—	3,766	218	—	—	64	1,085	—	18
1	44,442	220	6	55	2,551	1,085	1	19
38	2,573	717	—	63	885	10,341	3	20
—	11,670	385	—	6	17	830	—	21
6,202	691,897	56,757	257	9,284	140,516	561,491	1,217	22
1,078	338,521	25,618	—	3,326	67,711	265,358	270	23
359	23,446	2,849	25	498	4,840	35,192	46	24
450	4,390	53	—	—	5,011	9,242	143	25
46	3,984	174	201	432	3,870	1,073	42	26
855	31,820	3,076	226	930	13,721	45,507	231	27
96	3,872	82	—	—	5,700	697	—	28
19	13,857	577	—	267	4,645	23,957	—	29
2,554	239,405	11,111	31	1,571	27,258	204,685	205	30
400	385	3,362	—	—	661	557	—	31
1,200	64,037	12,931	—	3,190	20,820	20,730	511	32
4,154	303,827	27,404	31	4,761	48,739	225,972	716	33
6,202	691,897	56,757	257	9,284	140,516	561,491	1,217	34

TABLE 15. Income Account, 1957

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Operating revenue:				
1	Sale of electricity ¹	815,779	9,644	1,666	28,044
2	Other	40,511	151	3	210
3	Total operating revenue	856,290	9,795	1,669	28,254
	Operating expense:				
4	Operation, maintenance and administration	274,427	2,661	873	13,640
5	Power purchased	175,678	454	—	4,515
6	Depreciation	98,872	2,063	276	3,335
7	Total operating expense	548,977	5,178	1,149	21,490
8	Operating income	307,313	4,617	520	6,764
9	Other income	13,220	117	—	539
10	Total income	320,533	4,734	520	7,303
	Income deductions:				
11	Interest on long-term debt	121,031	1,386	—	3,085
12	Income tax	40,043	1,368	—	1,351
13	Other deductions	52,654	105	—	701
14	Total income deductions	213,728	2,859	—	5,137
15	Net income	106,805	1,875	520	2,166
	Publicly-operated:				
	Operating revenue:				
16	Sale of electricity ¹	556,719	—	—	9,246
17	Other	9,666	—	—	52
18	Total operating revenue	566,385	—	—	9,298
	Operating expense:				
19	Operation, maintenance and administration	166,519	—	—	3,540
20	Power purchased	138,610	—	—	2,704
21	Depreciation	62,698	—	—	646
22	Total operating expense	367,827	—	—	6,890
23	Operating income	198,558	—	—	2,408
24	Other income	3,119	—	—	23
25	Total income	201,677	—	—	2,431
	Income deductions:				
26	Interest on long-term debt	93,691	—	—	1,701
27	Income tax	3,625	—	—	7
28	Other deductions	49,704	—	—	519
29	Total income deductions	147,020	—	—	2,227
30	Net income	54,657	—	—	204
	Privately-operated:				
	Operating revenue:				
31	Sale of electricity ¹	259,060	9,644	1,666	18,798
32	Other	30,845	151	3	158
33	Total operating revenue	289,905	9,795	1,669	18,956
	Operating expense:				
34	Operation, maintenance and administration	107,908	2,661	873	10,100
35	Power purchased	37,068	454	—	1,811
36	Depreciation	36,174	2,063	276	2,689
37	Total operating expense	181,150	5,178	1,149	14,600
38	Operating income	108,765	4,617	520	4,356
39	Other income	10,101	117	—	516
40	Total income	118,866	4,734	520	4,872
	Income deductions:				
41	Interest on long-term debt	27,340	1,386	—	1,384
42	Income tax	36,418	1,368	—	1,344
43	Other deductions	2,950	105	—	182
44	Total income deductions	66,708	2,859	—	2,910
45	Net income	52,158	1,875	520	1,962

¹ This table is a composite summation of all the reports received. Revenue from the sale of electricity, therefore, includes duplications arising from inter-utility sales and is larger than the revenue shown in Table 7.

TABLE 15. Income Account, 1957

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
19,166	213,334	363,857	36,515	25,821	45,522	70,001	2,209	1
83	8,420	1,782	2,345	103	532	26,851	31	2
19,249	221,754	365,639	38,860	25,924	46,054	96,852	2,240	3
10,958	66,905	97,166	12,797	12,004	14,087	42,734	602	4
4,468	30,757	111,120	9,321	2,345	7,498	4,738	462	5
2,488	27,401	33,687	6,872	4,767	4,254	13,678	51	6
17,914	125,063	241,973	28,990	19,116	25,839	61,150	1,115	7
1,335	96,691	123,666	9,870	6,808	20,215	35,702	1,125	8
35	5,750	116	844	928	288	4,603	—	9
1,370	102,441	123,782	10,714	7,736	20,503	40,305	1,125	10
138	26,510	60,833	7,039	3,928	3,281	14,601	230	11
269	21,230	1,654	—	390	4,342	9,332	107	12
28	8,297	39,042	986	499	1,925	654	417	13
435	56,037	101,529	8,025	4,817	9,548	24,587	754	14
935	46,404	22,253	2,689	2,919	10,955	15,718	371	15
15,245	82,505	351,414	36,043	22,594	21,338	17,115	1,219	16
80	5,115	1,641	2,344	47	277	87	23	17
15,325	87,620	353,055	38,387	22,641	21,615	17,202	1,242	18
10,105	22,256	94,262	12,752	10,284	6,309	6,657	354	19
2,268	5,500	107,758	8,901	2,282	7,033	2,126	38	20
2,287	12,189	32,492	6,859	4,294	825	3,106	—	21
14,660	39,945	234,512	28,512	16,860	14,167	11,889	392	22
665	47,675	118,543	9,875	5,781	7,448	5,313	850	23
1	961	2	844	903	195	190	—	24
666	48,636	118,545	10,719	6,684	7,643	5,503	850	25
87	15,820	59,924	7,039	3,753	794	4,351	222	26
1	3,615	—	—	2	—	—	—	27
12	6,987	38,521	986	497	1,702	66	414	28
100	26,422	98,445	8,025	4,252	2,496	4,417	636	29
566	22,214	20,100	2,694	2,432	5,147	1,086	214	30
3,921	130,829	12,443	472	3,227	24,184	52,886	990	31
3	3,305	141	1	56	255	26,764	8	32
3,924	134,134	12,584	473	3,283	24,439	79,650	998	33
853	44,649	2,904	45	1,720	7,778	36,077	248	34
2,200	25,257	3,362	420	63	465	2,612	424	35
201	15,212	1,195	13	473	3,429	10,572	51	36
3,254	85,118	7,461	478	2,256	11,672	49,261	723	37
670	49,016	5,123	-5	1,027	12,767	30,389	275	38
34	4,789	114	—	25	93	4,413	—	39
704	53,805	5,237	-5	1,052	12,860	34,802	275	40
51	10,690	909	—	175	2,487	10,250	8	41
268	17,615	1,654	—	388	4,342	9,332	107	42
16	1,310	521	—	2	223	588	3	43
335	29,615	3,084	—	565	7,052	20,170	118	44
369	24,190	2,153	-5	487	5,808	14,632	157	45

TABLE 16. Taxes, 1957

	Canada	New- foundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
thousands of dollars						
Electric utilities — Publicly and privately-operated:						
Municipal	13,353	78	44	1,129	206	4,640
Provincial	11,665	17	1	7	24	9,714
Federal	32,373	1,330	205	1,346	211	14,238
Total taxes	57,391	1,425	250	2,482	441	28,592
Per cent of total for Canada	100.00	2.48	0.44	4.32	0.77	49.82
Publicly-operated:						
Municipal	5,846	—	—	119	74	835
Provincial	3,194	—	—	3	2	2,802
Federal	1,466	—	—	—	5	144
Total taxes	10,506	—	—	122	81	3,781
Per cent of total for Canada	100.00	—	—	1.16	0.77	35.99
Privately-operated:						
Municipal	7,507	78	44	1,010	132	3,805
Provincial	8,471	17	1	4	22	6,912
Federal	30,907	1,330	205	1,346	206	14,094
Total taxes	46,885	1,425	250	2,360	360	24,811
Per cent of total for Canada	100.00	3.04	0.53	5.03	0.77	52.92
	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.
thousands of dollars						
Electric utilities — Publicly and privately-operated:						
Municipal	3,441	506	330	1,186	1,791	2
Provincial	642	—	3	14	1,241	2
Federal	2,264	—	377	3,181	9,112	109
Total taxes	6,347	506	710	4,381	12,144	113
Per cent of total for Canada	11.06	0.88	1.24	7.63	21.16	0.20
Publicly-operated:						
Municipal	2,862	506	268	955	227	—
Provincial	377	—	—	—	10	—
Federal	1,317	—	—	—	—	—
Total taxes	4,556	506	268	955	237	—
Per cent of total for Canada	43.36	4.82	2.55	9.09	2.26	—
Privately-operated:						
Municipal	579	—	62	231	1,564	2
Provincial	265	—	3	14	1,231	2
Federal	947	—	377	3,181	9,112	109
Total taxes	1,791	—	442	3,426	11,907	113
Per cent of total for Canada	3.82	—	0.94	7.31	25.40	0.24

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CANADA

ELECTRIC POWER STATISTICS

1958

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1958

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ERRATA

ELECTRIC POWER STATISTICS - 1958

TABLE I - Comparative Summary (pages 8, 9, 10 and 11)

	Canada 1958	Nfld. 1958	Nova Scotia 1958	Quebec 1958
Energy Made Available ('000 kwh.):				
Total made available				
Now reads			1,552,523	
Should read			1,552,793	
Disposal of energy ('000 kwh.):				
Power - Excluding deliveries to electric boilers				
Now reads	37,071,675	725,239		14,921,888
Should read	35,838,523	473,319		13,940,656
- Deliveries to electric boilers				
Now reads	3,181,380	15		2,752,406
Should read	4,414,532	251,935		3,733,638
Revenue from sale of electricity (\$'000):				
Power - Excluding deliveries to electric boilers				
Now reads	262,794	4,615		83,696
Should read	260,619	4,162		81,974
- Deliveries to electric boilers				
Now reads	5,327	3		4,714
Should read	7,502	456		6,436

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.

ELECTRIC POWER STATISTICS

1958

Statistics presented in this report fall into two main categories: statistics based on the combined reports of electric utilities and industrial establishments, and statistics based on data received from utilities only. Utilities are defined as companies, commissions, municipalities or individuals whose primary function is to sell most of the electric energy which they have either generated or purchased. They are referred to as the electric utility industry. Industrial establishments are defined, for the purpose of this report, as companies or individuals which generate electricity mainly for use in own plant. Statistics based on the combined reports of both utilities and industrial establishments include generating capacity, production and disposal of electric energy, revenue received from the sale of electricity, and customers. Statistics applicable to the electric utility industry only include pole line and circuit mileage, transformers, fuel consumption, employees, wages and salaries and other financial data.

The current series of electric power statistics dates back only to 1956. Earlier reports entitled "Central Electric Stations" were concerned solely with the electric utility industry and hence excluded statistics relating to power produced by industrial establishments for own use. Data relating to power sold by industrial establishments was, however, included.

In the revised series, all firms are classed as either utilities or industrial establishments and separate statistics are compiled for each group. Energy disposed of by industrial establishments is then combined with that disposed of by utilities in order to present statistics roughly comparable with those compiled for the electric utility industry in earlier years. One major difference is that many blocks of energy formerly classed as sales are now treated as produced for own use, since the transfer of energy was found to be between plants within the same organization.

In 1956, because of the difficulty of separating line losses of industrial producers into losses relating to sales and losses relating to energy produced for own use, total industrial losses were presented under "Disposal of Energy" in Table 5. Commencing with 1957, losses associated with energy generated for own use are shown as a separate item under "Energy Made Available", Table 4.

A comprehensive census of generating equipment conducted in December 1958 has resulted in refinements to the installed generating capacity series presented in this report. Where possible, revisions have been made in 1957 figures to make them consistent with those compiled for 1958.

Total installed generating capacity in Canada at the end of 1958 stood at 18,559,368 kilowatts some 10.9 per cent above the revised total of 16,728,239¹ recorded for 1957. Utilities registered a combined capacity of 14,758,524 kilowatts compared with 13,039,575¹ in 1957 while the total for industry advanced to 3,800,844 kilowatts from 3,688,664.¹ Hydraulic installations accounted for 15,683,148 kilowatts or 84.5 per cent of the total and thermal installations 2,876,220 kilowatts or 15.5 per cent.

Net generation (total generation less energy used in station service) rose 7.1 per cent in 1958 to 97,466,822,000 kilowatt-hours from 91,042,080,000¹ one year earlier. Energy generated by electric utilities increased 6.2 per cent to 75,953,132 kilowatt-hours from 71,522,994 but accounted for only 77.9 per cent of total production compared with 78.6 per cent in 1957. Industrial production went up 10.2 per cent to 21,513,690,000 kilowatt-hours from 19,519,086,000¹ and accounted for 22.1 per cent of the total, compared with 21.4 per cent in 1957. The proportion of total generation produced from water power increased to 92.9 per cent from 91.6 while the proportion thermally produced dropped correspondingly to 7.1 per cent from 8.4.

The amount of electric energy made available for use in Canada increased at a slightly higher rate than generation in 1958 as a result of a 10.1 per cent decline in the net transfer of electric energy to the United States. A decline in imports to 245,062,000 kilowatt-hours from 569,260,000 was more than offset by a drop of 15.6 per cent in exports to 4,074,513,000 from 4,829,843,000. Consequently, the amount of electric energy made available for use in Canada showed a rise of 7.9 per cent to 93,637,371,000 kilowatt-hours from 86,781,497,000.¹

Of the total reported available for use in Canada in 1958, some 20,031,266,000 kilowatt-hours, including 513,726,000 estimated as losses, represented generation by industrial establishments for own use. This compares with 18,356,202,000¹ kilowatt-hours in 1957 and reflects an increase of 1,675,064,000 kilowatt-hours or 9.0 per cent.

Total sales of electricity to ultimate customers increased 7.9 per cent in 1958 to 65,323,721,000 kilowatt-hours from the 1957 total of 60,543,520,000.¹ Power customers purchased 40,253,055,000 kilowatt-hours or 61.6 per cent of the total (62.9¹ per cent in 1957); domestic and farm customers, 17,290,984,000 or 26.5 per cent (26.2 in 1957); and commercial customers, 7,224,949,000 or 11.1 per cent (10.1). Street lighting accounted for the remaining 554,733,000

¹ Revised.

kilowatt-hours of electricity sold. In addition, some 8,282,384,000 kilowatt-hours of energy available for disposal were reported lost or unaccounted for. This compares with 7,881,775,000¹ kilowatt-hours in 1957.

A 4.3 per cent rise in ultimate customers brought the total to 4,809,634 from 4,611,178 in 1957. Domestic and farm customers increased 4.6 per cent to 4,188,946 from 4,004,200 while the number of commercial customers showed a moderate rise to 516,018 from 506,509. Power customers, after recording a decrease in 1957, rose in 1958 to 99,818 from 95,720.

Revenue received from sales to ultimate customers totalled \$691,703,000, up 8.1 per cent from the 1957 total of \$639,998,000.¹ Domestic and farm customers produced revenues of \$278,531,000 versus \$257,038,000; commercial customers, \$131,844,000 versus \$119,501,000; power customers, \$268,121,000 versus \$251,553,000¹ and street lighting customers, \$13,207,000 versus \$11,906,000. Revenue obtained from export sales amounted to \$13,379,000 compared with \$17,782,000 in 1957.

Average domestic and farm service revenue per kilowatt-hour declined in 1958 to 1.61 cents from 1.62 cents one year earlier. The heavier costs of thermal generation in Prince Edward Island, New Brunswick, Saskatchewan and Alberta are reflected in the higher revenues per kilowatt-hour received in those provinces. Manitoba earned the lowest revenue per kilowatt-hour sold, mainly because of the widespread use of flat-rate water heaters.

The average annual bill for domestic and farm customers rose 3.6 per cent in 1958 to \$66.49 from \$64.19 in 1957. The increase was due to a rise in average consumption of 4.2 per cent to 4,128 kilowatt-hours from 3,960. Averages varied widely from province to province, the low of 1,439 kilowatt-hours being recorded in Prince Edward Island and the high of 6,113 kilowatt-hours being registered in Manitoba. While many utilities do not distinguish between farm and domestic customers in their records, those that have reported farm service separately show an average rise of 7.9 per cent to 3,686 kilowatt-hours from 3,415 in consumption and an increase in the average annual bill to \$86.46 from \$80.80.

Electric utilities reported an expenditure of \$19,645,433 on fuel for thermal electric plants in 1958, a decrease of 17.2 per cent from the \$23,732,655 reported one year earlier. The amount spent on coal declined 26.1 per cent to \$10,637,734 from \$14,394,220 and on oil 28.9 per cent to \$4,389,212 from \$6,176,604. The total cost of natural gas consumed in thermal-electric generation on the other hand, increased 46 per cent to \$4,618,487 from \$3,161,831. Coal accounted for only 46.2 per cent of total thermal generation in 1958 against 55.4 per cent in 1957, while natural

gas was responsible for 40.2 per cent compared with 28.9 per cent one year earlier. Consumption of natural gas in thermal plants was doubled in Saskatchewan and British Columbia and reported for the first time in Manitoba where production from this source totalled 35,885,000 kilowatt-hours. Production based on petroleum fuels recorded a further decline, accounting for only 13.6 per cent of the total compared with 15.7 per cent in 1957.

Wages and salaries paid by the electric utility industry amounted to \$170,211,000 in 1958, a rise of 10.6 per cent over the \$153,952,000 reported in 1957. Publicly-operated utilities reported wages and salaries totalling \$122,208,000 in 1958, up 10.7 per cent from the \$110,420,000 in 1957 while privately-operated utilities paid \$48,003,000 as against \$43,532,000, an increase of 10.3 per cent. Employees, excluding construction workers, increased in number to 39,394 from 37,817, a total of 28,149 being employed by publicly-operated utilities versus 27,101 in 1957 and 11,245 by privately-operated utilities versus 10,716 one year earlier.

Total assets of the electric utility industry stood at \$6,329,269,000 at the end of 1958 compared with \$5,804,798,000 one year earlier, a rise of \$524,471,000 or 9 per cent. Fixed assets, after depreciation, amounted to \$5,342,847,000 as against \$4,831,104,000. While most of the increase was reflected in a rise in long term debt to \$3,916,715,000 from \$3,554,332,000, the capital and surplus account also showed an increase, rising to \$1,451,290,000 from \$1,355,894,000.

Operating revenues of electric utilities were 7.1 per cent higher in 1958, rising to \$916,727,000 from the 1957 total of \$856,290,000. Since operating expenses rose only 6.7 per cent to \$585,949,000 from \$548,977,000, operating income increased 7.6 per cent to a new high of \$330,778,000. Net income, after income tax, recorded a 7.8 per cent increase to \$115,103,000 from \$106,805,000.

Federal, provincial and municipal taxes paid by electric utilities in 1958 amounted to \$61,116,000, a rise of 6.5 per cent over the \$57,391,000 paid in 1957. Federal taxes increased to \$33,700,000 from \$32,373,000, provincial taxes to \$12,319,000 from \$11,665,000 and municipal taxes to \$15,097,000 from \$13,353,000.

The following table provides an industry analysis of electric energy consumption based in part on data collected by the Industry and Merchandising Division of the Dominion Bureau of Statistics. Since Industry and Merchandising reports are concerned primarily with consumers rather than producers of electric energy and are completed on the basis of different concepts and for different reporting periods, considerable difficulty is encountered in reconciling the two sets of data. For example, energy transferred between two establishments within the same organization may be reported under purchases in Industry and Merchandising reports but as produced for own use in Electric Power

¹ Revised.

Statistics reports. Also, Industry and Merchandising reports do not cover all industrial use of electric energy with the result that consumption for "Other Industries" can be obtained only by subtracting known industrial purchases from power sales as reported by the electric power industry.

A number of refinements have been introduced which have resulted in revisions to 1956 figures. Users of this table are cautioned that further refinements may result in additional revisions from time to time.

Distribution and Consumption of Electric Energy¹

	1956 ²			1957		
	Electric power purchased	Power generated by industries for own use	Total consumption	Electric power purchased	Power generated by industries for own use	Total consumption
thousands of kilowatt-hours						
Manufacturing:						
Pulp and paper	10,696,141	4,535,560	15,231,701	11,751,067	4,350,799	16,101,866
Primary iron and steel	2,482,938	193,822	2,676,760	2,393,674	159,960	2,553,634
Artificial abrasives and abrasive products	1,127,217	—	1,127,217	1,201,933	—	1,201,933
Chemicals, industrial (acids, alkalis and salts)	2,465,741	339,369 ³	2,805,110	2,768,139	324,166 ⁶	3,092,305
Metal, smelting and refining	3,290,429	11,812,375 ⁴	15,102,804	3,771,928	10,932,963 ⁷	14,704,891
Other manufacturing	8,354,799	1,519,943 ⁵	9,874,742	8,842,011	1,561,597 ⁸	10,403,608
Total manufacturing	28,417,265	18,401,069	46,818,334	30,728,752	17,329,485	48,058,237
Mining	3,544,514	542,835	4,087,349	3,775,576	575,309	4,350,885
Other industries (including municipal services)	4,285,288	...	4,285,288	3,557,561	...	3,557,561
Total all industry	36,247,067	18,943,904	55,190,971	38,061,889	17,904,794	55,966,683
Domestic service	14,338,789	...	14,338,789	15,857,618	...	15,857,618
Commercial lighting	5,323,363	...	5,323,363	6,112,574	...	6,112,574
Street lighting	473,726	...	473,726	511,439	...	511,439
Exports to the United States	5,103,669	...	5,103,669	4,829,843	...	4,829,843
Losses and unaccounted for	7,722,190	510,388	8,232,578	7,881,775	498,949	8,380,724
Grand total	69,208,804	19,454,292⁹	88,663,096	73,255,138	18,403,743¹⁰	91,658,881

¹ Includes imports from the United States.

² Revised

³ Includes 222,675,000 kwh. shown as purchased in reports of manufacturing industries.

⁴ Includes 10,690,945,000

⁵ Includes 920,987,000

⁶ Includes 174,485,000

⁷ Includes 9,896,315,000

⁸ Includes 895,202,000

⁹ Compares with Electric Power Statistics revised total of 19,413,670; difference of 40,622 thousand kilowatt-hours due to inconsistencies in reporting (see text).

¹⁰ Compares with Electric Power Statistics revised total of 18,356,202 (see 9 above).

TABLE 1. Comparative Summary, 1956-58

No.			Canada			
			1958	1957 ¹	1956 ¹	1956 (Central electric stations)
	Installed generating capacity (Table 2):					
1	Hydro	kw.	15,683,148	14,112,829	13,070,029	12,053,372 ¹
2	Thermal	"	2,876,220	2,615,410	2,426,126	1,918,127
3	Total	"	18,559,368	16,728,239	15,496,155	13,971,499¹
	Energy made available (Table 3 and 4):					
4	Generated — Hydro	'000 kwh.	90,509,200	83,373,220	81,839,968	73,524,583
5	Thermal	"	6,957,622	7,668,860	6,543,333	4,479,770
6	Total	"	97,466,822	91,042,080	88,383,301	78,004,353
7	Imported from other Provinces .....	"	...	...	...	...
8	Imported from United States	"	245,062	569,260	239,173	239,173
9	Exported to other Provinces .....	"	...	...	...	...
10	Exported to United States	"	4,074,513	4,829,843	5,103,669	5,103,669
11	Total made available in Canada	"	93,637,371	86,781,497	83,518,805	73,139,857
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
12	Domestic and farm	"	17,290,384	15,857,618	14,338,789	14,332,215
13	Commercial	"	7,224,949	6,112,574	5,323,363	5,321,610
14	Power — Excluding deliveries to electric boilers	"	37,071,675	35,963,723	35,274,638	45,030,582
15	Deliveries to electric boilers	"	3,181,380	2,098,166	972,429	972,429
16	Street lighting	"	554,733	511,439	473,726	473,704
17	Total sold to ultimate customers	"	65,323,721	60,543,520	56,382,945	66,130,540
18	Losses and unaccounted for	"	8,282,384	7,881,775	8,232,578	7,009,317 ¹
19	Total disposed of in Canada	"	73,606,105	68,425,295	64,615,523	73,139,857¹
	Customers (Table 6):					
	Ultimate customers in Canada:					
20	Domestic and farm	No.	4,188,946	4,004,200	3,834,964	3,832,181
21	Commercial	"	516,018	506,509	491,174	490,944
22	Power	"	99,818	95,720	97,006	96,982
23	Street lighting	"	4,852	4,749	4,538	4,537
24	Total ultimate customers	"	4,809,634	4,611,178	4,427,682	4,424,644
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
25	Domestic and farm	\$'000	278,531	257,038	235,497	235,344
26	Commercial	"	131,844	119,501	107,487	108,526
27	Power — Excluding deliveries to electric boilers	"	262,794	248,016	236,039	260,379
28	Deliveries to electric boilers	"	5,327	3,537	1,779	1,787
29	Street lighting	"	13,207	11,906	11,244	11,237
30	Total revenue from ultimate customers	"	691,703	639,998	592,046	617,273
	Revenue from electricity exported:					
31	To other provinces .....	"	...	...	...	...
32	To United States	"	13,379	17,782	16,852	16,852
33	Total revenue from exports	"	13,379	17,782	16,852	16,852
34	Total pole line mileage (Table 9)	miles	311,511	285,306	271,556	272,609¹
	Employees, salaries and wages (Table 13):					
35	Total employees (excluding construction)	No.	39,394	37,817	36,118	36,602
36	Total wages and salaries (excluding construction)	\$'000	170,211	153,952	137,967	139,819 ¹

See footnotes on pages 14 and 15.

TABLE 1. Comparative Summary, 1956-58

Newfoundland				Prince Edward Island				No.
1958	1957 ¹	1956	1956 Central electric stations	1958	1957	1956	1956 Central electric stations	
245,530	218,670	206,120	180,052	155	140	140	140	1
34,196	29,433	28,549	16,199	25,486	25,384	26,223	26,220	2
279,726	248,103	234,669	196,251	25,641	25,524	26,363	26,360	3
1,340,843	1,313,396	1,360,745	1,024,659	537	370	441	441	4
70,329	62,313	35,301	6,967	62,497	56,618	51,362	51,355	5
1,411,172	1,375,709	1,396,046	1,031,626	63,034	56,988	51,803	51,796	6
—	8,504	—	—	—	—	—	—	7
—	—	—	—	—	—	—	—	8
36,974	44,620	31,496	—	—	—	—	—	9
—	—	—	—	—	—	—	—	10
1,374,198	1,339,593	1,364,550	1,031,626	63,034	56,988	51,803	51,796	11
138,766	132,678	121,714	121,714	23,103	20,560	18,957	18,957	12
37,969	35,511	32,642	32,642	19,507	18,088	15,861	15,861	13
725,239	643,156	766,414	766,414	8,721	7,872	8,064	8,064	14
15	78,603	—	—	—	—	—	—	15
4,112	4,073	3,883	3,883	1,017	995	803	803	16
906,101	894,021	924,653	924,653	52,348	47,515	43,685	43,685	17
103,224	106,206	104,391	106,973 ¹	10,582	9,366	8,012	8,111 ¹	18
1,069,325	1,000,227	1,029,044	1,031,626¹	62,930	56,881	51,697	51,796¹	19
53,614	51,187	48,906	48,906	16,059	15,044	14,062	14,062	20
5,363	5,160	5,147	5,147	2,866	2,725	2,729	2,729	21
651	669	652	652	237	233	81	81	22
19	18	18	18	18	12	20	20	23
59,647	57,034	54,723	54,723	19,180	18,014	16,892	16,892	24
3,424	3,194	2,344	2,944	1,154	1,047	921	921	25
1,200	1,115	1,019	1,019	754	766	609	609	26
4,615	4,347	4,416	4,416	198	180	233	233	27
3	138	—	—	—	—	—	—	28
120	114	107	107	52	52	38	38	29
9,362	8,908	8,486	8,486	2,158	2,045	1,801	1,801	30
—	—	—	—	—	—	—	—	31
—	—	—	—	—	—	—	—	32
—	—	—	—	—	—	—	—	33
2,417	2,254	2,120	2,254	1,387	1,237	1,054	1,054	34
586	596	607	635	201	197	189	189	35
1,749	1,766	1,644	1,786	569	498	507	507	36

TABLE 1. Comparative Summary, 1956-58 — Continued

No.			Nova Scotia			
			1958	1957	1956	1956 Central electric stations
	Installed generating capacity (Table 2):					
1	Hydro	kw.	127,930	129,637	125,534	120,096
2	Thermal	"	291,335	297,976	257,330	221,568
3	Total	"	419,265	427,613	382,864	341,664
	Energy made available (Table 3 and 4):					
4	Generated — Hydro	'000 kwh.	645,600	526,493	592,361	556,815
5	Thermal	"	917,142	1,007,344	888,867	761,005
6	Total	"	1,562,742	1,533,837	1,481,228	1,317,820
7	Imported from other Provinces	"	—	—	—	—
8	Imported from United States	"	—	—	—	—
9	Exported to other Provinces	"	9,949	8,858	8,234	8,234
10	Exported to United States	"	—	—	—	—
11	Total made available in Canada	"	1,552,523	1,524,979	1,472,994	1,309,586
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
12	Domestic and farm	"	385,465	356,000	319,243	319,243
13	Commercial	"	126,006	121,300	109,906	109,906
14	Power—Excluding deliveries to electric boilers	"	720,734	683,283	704,389	704,389
15	Deliveries to electric boilers	"	—	—	50	50
16	Street lighting	"	12,111	10,046	10,322	10,322
17	Total sold to ultimate customers	"	1,244,316	1,170,629	1,143,910	1,143,910
18	Losses and unaccounted for	"	148,491	171,256	156,539	165,676 ¹
19	Total disposed of in Canada	"	1,392,807	1,341,885	1,300,449	1,309,586¹
	Customers (Table 6):					
	Ultimate customers in Canada:					
20	Domestic and farm	No.	163,481	158,065	154,231	154,231
21	Commercial	"	19,887	20,626	20,535	20,535
22	Power	"	6,453	5,889	5,595	5,595
23	Street lighting	"	147	131	115	115
24	Total ultimate customers	"	189,968	184,711	180,476	180,476
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
25	Domestic and farm	\$'000	10,351	9,173	8,680	8,680
26	Commercial	"	4,443	4,332	4,187	4,187
27	Power—Excluding deliveries to electric boilers	"	9,663	9,200	8,956	8,956
28	Deliveries to electric boilers	"	—	—	1	1
29	Street lighting	"	496	421	409	409
30	Total revenue from ultimate customers	"	24,953	23,126	22,233	22,233
	Revenue from electricity exported:					
31	To other provinces	"	185	167	159	159
32	To United States	"	—	—	—	—
33	Total revenue from exports	"	185	167	159	159
34	Total pole line mileage (Table 9)	miles	10,999	10,780	9,928	9,958
	Employees, salaries and wages (Table 13):					
35	Total employees (excluding construction)	No.	1,542	1,590	1,542	1,549
36	Total wages and salaries (excluding construction)	\$'000	5,445	5,069	4,521	4,541

See footnotes on pages 14 and 15

TABLE 1. Comparative Summary, 1956-58 — Continued

New Brunswick				Quebec				No.
1958	1957	1956	1956 Central electric stations	1958	1957 ¹	1956 ¹	1956 Central electric stations	
188,906	209,410	116,589	101,375	6,980,515	6,276,684	5,914,903	5,761,307	1
200,431	187,181	184,426	109,851	77,449	70,909	67,711	17,267	2
389,337	396,591	301,015	211,226	7,057,964	6,347,593	5,982,614	5,778,574	3
1,023,020	706,464	522,938	472,015	43,418,062	37,905,814	37,539,040	36,246,493	4
589,662	698,297	839,815	471,471	217,506	225,613	221,549	22,069	5
1,612,682	1,404,761	1,362,753	943,486	43,635,568	38,131,427	37,760,589	36,268,562	6
25,851	23,156	21,621	21,621	51,318	66,400	57,306	25,810	7
591	4,525	11,451	11,451	833	710	306	306	8
—	—	—	—	6,006,889	4,943,580	5,232,799	5,232,799	9
142,789	48,649	25,014	25,014	526,336	549,040	48,008	48,004	10
1,496,335	1,383,793	1,370,811	951,544	37,154,494	32,705,917	32,537,394	31,013,871	11
253,273	225,210	195,768	195,768	4,017,294	3,582,204	3,109,448	3,104,503	12
97,745	91,425	84,712	84,712	2,317,333	1,558,600	1,423,212	1,421,612	13
665,090	562,349	549,298	549,298	14,921,888	14,672,085	14,472,987	23,224,000	14
—	—	227	227	2,752,406	1,653,310	851,305	851,305	15
12,053	10,910	9,901	9,901	123,636	115,800	104,929	104,907	16
1,028,161	889,894	839,906	839,906	24,132,557	21,581,999	19,961,881	28,706,327	17
71,539	106,667	90,548	111,638 ¹	2,625,038	2,333,410	2,543,806	2,307,544 ¹	18
1,099,700	996,561	930,454	951,544¹	26,757,595	23,915,409	22,505,687	31,013,871¹	19
129,365	123,893	120,537	120,537	1,124,134	1,089,416	1,035,786	1,033,711	20
14,115	13,608	13,367	13,367	135,803	132,445	126,244	126,020	21
2,155	2,128	2,026	2,026	18,826	18,349	17,671	17,647	22
144	132	122	122	1,616	1,586	1,538	1,537	23
145,779	139,761	136,052	136,052	1,280,379	1,241,796	1,181,239	1,178,915	24
8,753	7,906	7,335	7,335	61,262	56,112	50,224	50,112	25
3,015	2,801	2,680	2,680	32,698	28,402	25,796	26,847	26
6,451	5,912	5,820	5,820	83,696	80,911	77,110	96,057	27
—	—	—	—	4,714	2,918	1,579	1,579	28
457	400	361	361	2,837	2,590	2,343	2,343	29
18,676	17,019	16,196	16,196	185,207	170,933	157,052	177,388	30
—	—	—	—	14,912	13,455	14,541	14,541 ¹	31
752	352	170	170	1,276	1,561	321	321 ¹	32
752	352	170	170	16,188	15,016	14,862	14,862	33
9,613	9,392	9,293	9,313	42,936	41,825	39,499	39,654	34
1,142	1,133	1,164	1,176	9,799	9,466	8,747	9,095	35
3,968	3,835	3,923	3,975	40,828	36,735	31,868	33,121	36

TABLE 1. Comparative Summary, 1956-58 — Continued

No.			Ontario			
			1958	1957 ¹	1956 ¹	1956 Central electric stations
	Installed generating capacity (Table 2):					
1	Hydro.....	kw.	4,957,380	4,091,654	3,850,181	3,714,265 ¹
2	Thermal.....	"	818,366	909,188	890,247	717,709
3	Total.....	"	5,775,746	5,000,842	4,740,428	4,431,974¹
	Energy made available (Table 3 and 4):					
4	Generated — Hydro.....	'000 kwh.	28,012,573	27,959,037	27,478,197	26,160,401
5	Thermal.....	"	1,238,807	2,153,403	1,570,076	963,211
6	Total.....	"	29,251,380	30,112,440	29,048,273	27,123,612
7	Imported from other Provinces.....	"	6,024,335	5,071,120	5,334,917	5,334,917
8	Imported from United States.....	"	226,510	285,472	174,435	174,435
9	Exported to other Provinces.....	"	50,553	23,316	25,961	25,961
10	Exported to United States.....	"	3,404,051	4,222,225	5,010,968	5,010,968
11	Total made available in Canada.....	"	32,047,621	31,223,491	29,520,696	27,596,035
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
12	Domestic and farm.....	"	8,189,413	7,594,393	7,045,900	7,045,112
13	Commercial.....	"	2,833,584	2,609,398	2,418,518	2,418,518
14	Power — Excluding deliveries to electric boilers.....	"	14,963,091	15,165,803	13,972,150	14,977,081
15	Deliveries to electric boilers.....	"	198,254	48,113	94,416	94,416
16	Street lighting.....	"	244,962	228,684	212,535	212,535
17	Total sold to ultimate customers.....	"	26,429,304	25,646,391	23,743,519	24,747,662
18	Losses and unaccounted for.....	"	3,755,882	3,699,185	3,781,393	2,848,373 ¹
19	Total disposed of.....	"	30,185,186	29,345,576	27,524,912	27,596,035¹
	Customers (Table 6):					
	Ultimate customers in Canada:					
20	Domestic and farm.....	No.	1,634,830	1,549,668	1,492,408	1,492,230
21	Commercial.....	"	166,107	166,198	168,277	168,274
22	Power.....	"	26,143	25,553	25,642	25,642
23	Street lighting.....	"	752	780	732	732
24	Total ultimate customers.....	"	1,827,832	1,742,199	1,687,059	1,686,878
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
25	Domestic and farm.....	\$'000	110,712	103,377	95,898	95,881
26	Commercial.....	"	43,478	40,582	37,596	37,595
27	Power — Excluding deliveries to electric boilers.....	"	107,699	104,295	95,705	100,649
28	Deliveries to electric boilers.....	"	279	68	139	147
29	Street lighting.....	"	5,417	4,962	5,121	5,113
30	Total revenue from ultimate customers.....	"	267,585	253,284	234,459	239,383
	Revenue from electricity exported:					
31	To other Provinces.....	"	254	141	134	134
32	To United States.....	"	11,323	15,831	16,287	16,287
33	Total revenue from exports.....	"	11,577	15,972	16,421	16,421
34	Total pole line mileage (Table 9).....	miles	74,508	72,777	71,578	71,837
	Employees, salaries and wages (Table 13):					
35	Total employees (excluding construction).....	No.	16,409	16,184	15,956	16,001
36	Total wages and salaries (excluding construction).....	\$'000	76,082	71,477	65,196	65,397

See footnotes on pages 14 and 15.

TABLE 1. Comparative Summary, 1956-58 — Continued

Manitoba				Saskatchewan				No.
1958	1957 ¹	1956	1956 Central electric stations	1958	1957	1956 ¹	1956 Central electric stations	
573,900	564,950	589,950	585,000	88,800	85,200	85,200	85,200	1
185,062	92,154	59,338	51,815	461,852	374,745	330,548	329,383	2
758,962	657,104	649,288	636,815	550,652	459,945	415,748	414,583	3
3,113,166	3,350,396	3,346,394	3,330,439	568,480	566,020	555,466	555,466	4
139,854	26,993	18,910	3,273	1,347,716	1,200,324	1,030,433	995,520	5
3,253,020	3,357,389	3,365,304	3,333,712	1,916,196	1,766,344	1,585,899	1,550,986	6
540,238	533,792	555,617	555,617	6,715	2,315	1,994	1,994	7
—	—	817	817	365	316	258	258	8
35,858	152,657	117,499	117,499	504,029	532,256	555,466	555,466	9
28	22	8	8	—	—	—	—	10
3,757,372	3,758,502	3,804,231	3,772,639	1,419,247	1,236,719	1,032,685	997,772	11
1,337,932	1,247,563	1,172,579	1,172,439	515,158	470,075	400,215	399,952	12
456,589	428,508	275,652	275,652	163,257	166,344	158,358	158,358	13
1,283,248	1,286,949	1,876,976	1,876,976	390,574	326,482	305,280	305,280	14
211,886	310,950	21,444	21,444	—	—	—	—	15
35,876	33,943	31,952	31,952	21,006	19,725	19,291	19,291	16
3,325,531	3,307,913	3,378,603	3,378,463	1,089,995	982,626	883,144	882,881	17
394,832	387,540	401,298	394,176 ¹	224,734	195,394	114,718	114,891 ¹	18
3,720,363	3,695,453	3,779,901	3,772,639¹	1,314,729	1,178,020	997,862	997,772¹	19
218,870	211,642	208,039	207,950	191,072	182,426	169,527	169,467	20
36,969	36,002	30,259	30,258	31,838	31,106	30,826	30,826	21
10,818	10,676	15,483	15,483	6,540	5,708	5,028	5,028	22
529	529	528	528	859	829	781	781	23
267,186	258,849	254,309	254,219	230,309	220,069	206,162	206,102	24
14,141	14,052	13,520	13,518	15,864	14,625	12,690	12,688	25
7,382	6,127	5,274	5,274	6,222	6,072	5,826	5,826	26
8,687	8,331	9,138	9,138	7,174	5,905	5,369	5,369	27
266	378	28	28	—	—	—	—	28
651	577	519	519	687	640	572	572	29
31,127	29,465	28,479	28,477	29,947	27,242	24,457	24,455	30
178	355	415	415	1,224	1,264	1,292	1,292	31
1	1	2	—	—	—	—	—	32
179	356	415	415	1,224	1,264	1,292	1,292	33
35,111	34,317	34,232	34,243	68,852	54,700	50,683	50,684¹	34
2,513	2,416	2,162	2,163	2,141	1,875	1,430	1,430	35
9,321	8,387	7,501	7,505	9,477	6,534	5,360	5,360	36

TABLE 1. Comparative Summary, 1956-58 — Concluded

No.			Alberta			
			1958	1957	1956	1956 Central electric stations
	Installed generating capacity (Table 2):					
1	Hydro	kw.	220,642	241,432	222,665	222,665
2	Thermal	"	515,258	382,508	381,495	349,430
3	Total	"	735,900	623,940	604,161	572,095
	Energy made available (Table 3 and 4):					
4	Generated—Hydro	'000 kwh.	990,457	807,253	979,157	979,157
5	Thermal	"	1,737,298	1,624,649	1,164,316	1,043,436
6	Total	"	2,727,755	2,431,902	2,143,473	2,022,593
7	Imported from other Provinces	"	25,520	24,297	28,512	28,512
8	Imported from United States	"	604	573	—	—
9	Exported to other Provinces	"	6,286	3,139	—	—
10	Exported to United States	"	—	—	—	—
11	Total made available in Canada	"	2,747,593	2,453,633	2,171,985	2,051,105
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
12	Domestic and farm	"	646,048	564,048	501,260	501,032
13	Commercial	"	299,204	276,551	245,244	245,244
14	Power—Excluding deliveries to electric boilers	"	1,224,536	1,144,294	1,022,309	1,022,309
15	Deliveries to electric boilers	"	—	942	—	—
16	Street lighting	"	38,393	29,853	25,585	25,585
17	Total sold to ultimate customers	"	2,208,181	2,015,688	1,794,398	1,794,170
18	Losses and unaccounted for	"	290,792	260,702	255,191	256,935 ¹
19	Total disposed of in Canada	"	2,498,973	2,276,390	2,049,589	2,051,105 ¹
	Customers (Table 6):					
	Ultimate customers in Canada:					
20	Domestic and farm	No.	255,164	237,719	222,222	222,187
21	Commercial	"	40,847	38,895	37,254	37,254
22	Power	"	19,568	18,328	16,426	16,426
23	Street lighting	"	527	511	480	480
24	Total ultimate customers	"	316,106	295,453	276,382	276,347
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
25	Domestic and farm	\$'000	15,484	13,788	12,573	12,572
26	Commercial	"	10,360	9,459	8,660	8,660
27	Power—Excluding deliveries to electric boilers	"	16,044	14,650	12,916	12,916
28	Deliveries to electric boilers	"	—	10	10	10
29	Street lighting	"	1,251	1,045	742	742
30	Total revenue from ultimate customers	"	43,139	38,952	34,901	34,900
	Revenue from electricity exported:					
31	To other provinces	"	43	—	—	—
32	To United States	"	—	—	—	—
33	Total revenue from exports	"	43	—	—	—
34	Total pole line mileage (Table 9)	miles	49,754	42,758	37,793	37,818
	Employees, salaries and wages (Table 13):					
35	Total employees (excluding construction)	No.	1,932	1,647	1,598	1,603
36	Total wages and salaries (excluding construction)	\$'000	8,498	6,729	5,443	5,463

¹ Revised.

TABLE 1. Comparative Summary, 1956-58 — Concluded

British Columbia				Yukon and N.W.T.				No.
1958	1957	1956 ¹	1956 Central electric stations	1958	1957	1956 ¹	1956 Central electric stations	
2,260,990	2,266,077	1,933,022	862,097	38,400	28,975	25,725	12,675	1
261,972	242,915	185,108	78,010	4,813	3,017	15,150	675	2
2,522,962	2,508,992	2,118,130	940,107	43,213	31,992	40,875	13,350	3
11,254,743	10,116,336	9,350,558	4,128,080	141,719	121,641	114,671	70,617	4
627,960	607,701	719,778	160,090	8,851	5,605	2,926	1,373	5
11,882,703	10,724,037	10,070,336	4,288,170	150,570	127,246	117,597	71,990	6
2,081	3,139	—	—	—	—	—	—	7
16,159	277,664	51,906	51,906	—	—	—	—	8
25,520	24,297	28,512	28,512	—	—	—	—	9
1,309	9,907	19,671	19,671	—	—	—	—	10
11,874,114	10,970,636	10,074,059	4,291,893	150,570	127,246	117,597	71,990	11
1,775,996	1,657,619	1,445,059	1,444,849	8,536	7,268	8,646	8,646	12
867,938	798,711	556,576	556,576	5,817	8,138	2,682	2,529	13
2,107,687	1,421,814	1,550,935	1,550,935	60,867	49,636	45,836	45,836	14
—	—	—	—	18,819	6,248	4,987	4,987	15
61,353	57,218	54,296	54,296	214	192	229	229	16
4,812,974	3,935,362	3,606,866	3,606,656	94,253	71,482	62,380	62,227	17
649,552	610,414	767,651	685,237 ¹	7,718	1,635	9,031	9,763 ¹	18
5,462,526	4,545,776	4,374,517	4,291,893¹	101,971	73,117	71,411	71,990¹	19
399,343	382,222	366,438	366,092	3,014	2,918	2,808	2,808	20
61,521	58,995	56,033	56,033	702	749	503	501	21
8,270	8,098	8,256	8,256	157	89	146	146	22
232	215	197	197	9	6	7	7	23
469,366	449,530	430,924	430,578	3,882	3,762	3,464	3,462	24
36,911	33,421	30,271	30,252	475	343	441	441	25
21,933	19,324	15,662	15,661	359	521	178	168	26
17,389	13,298	15,340	15,339	1,178	987	1,036	1,036	27
—	—	—	—	65	25	22	22	28
1,225	1,092	1,020	1,020	14	13	12	12	29
77,458	67,135	62,293	62,272	2,091	1,889	1,689	1,679	30
74	76	92	92	—	—	—	—	31
27	37	74	74	—	—	—	—	32
101	113	166	166	—	—	—	—	33
15,716	15,070	15,180	15,570	218	196	196	224	34
3,019	2,635	2,645	2,678	110	78	78	83	35
13,757	12,579	11,715	11,859 ¹	517	343	289	305	36

¹ Revenue less than \$1,000

TABLE 2. Installed Generating Capacity at End of Year, 1958

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		nameplate rating in kilowatts			
	Electric utilities and industrial establishments:				
1	Hydro:				
	Water-wheels and turbines	15,683,148	245,530	155	127,930
	Thermal:				
2	Steam engines and turbines	2,509,285	20,000	22,500	287,545
3	Internal combustion engines	236,478	14,196	2,986	3,790
4	Gas turbines	130,457	—	—	—
5	Total thermal	2,876,220	34,196	25,486	291,335
6	Total installed generating capacity	18,559,368	279,726	25,641	419,265
7	Per cent of total for Canada	100.00	1.51	0.14	2.26
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	12,582,036	190,850	155	122,580
	Thermal:				
9	Steam engines and turbines	1,874,035	10,000	22,500	246,250
10	Internal combustion engines	180,433	4,934	2,981	3,390
11	Gas turbines	122,020	—	—	—
12	Total thermal	2,176,488	14,934	25,481	249,640
13	Total installed generating capacity	14,758,524	205,784	25,636	372,220
14	Per cent of total for Canada	100.00	1.40	0.17	2.52
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	7,824,678	—	—	82,768
	Thermal:				
16	Steam engines and turbines	1,398,675	—	—	40,000
17	Internal combustion engines	130,362	472	2,881	1,470
18	Gas turbines	103,520	—	—	—
19	Total thermal	1,632,557	472	2,881	41,470
20	Total installed generating capacity	9,457,235	472	2,881	124,238
21	Per cent of total for Canada	100.00	0.00	0.03	1.31
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	4,757,358	190,850	155	39,812
	Thermal:				
23	Steam engines and turbines	475,360	10,000	22,500	206,250
24	Internal combustion engines	50,071	4,462	100	1,920
25	Gas turbines	18,500	—	—	—
26	Total thermal	543,931	14,462	22,600	208,170
27	Total installed generating capacity	5,301,289	205,312	22,755	247,982
28	Per cent of total for Canada	100.00	3.87	0.43	4.68
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	3,101,112	54,680	—	5,350
	Thermal:				
30	Steam engines and turbines	635,250	10,000	—	41,295
31	Internal combustion engines	56,045	9,262	5	400
32	Gas turbines	8,437	—	—	—
33	Total thermal	699,732	19,262	5	41,695
34	Total installed generating capacity	3,800,844	73,942	5	47,045
35	Per cent of total for Canada	100.00	1.94	0.00	1.24

TABLE 2. Installed Generating Capacity at End of Year, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
nameplate rating in kilowatts								
188,906	6,980,515	4,957,380	573,900	88,800	220,642	2,260,990	38,400	1
192,349	59,683	800,885	177,600	392,700	422,510	133,513	—	2
8,082	17,766	17,481	7,462	49,152	25,811	84,939	4,813	3
—	—	—	—	20,000	66,937	43,520	—	4
200,431	77,449	818,366	185,062	461,852	515,258	261,972	4,813	5
389,337	7,057,964	5,775,746	758,962	550,652	735,900	2,522,962	43,213	6
2.10	38.03	31.12	4.09	2.97	3.96	13.59	0.23	7
175,786	5,382,943	4,712,555	563,600	86,400	220,642	1,101,535	24,990	8
92,250	—	570,000	173,600	384,700	372,125	2,610	—	9
8,082	13,312	8,031	3,470	37,990	19,401	74,325	4,517	10
—	—	—	—	20,000	58,500	43,520	—	11
100,332	13,312	578,031	177,070	442,690	450,026	120,455	4,517	12
276,118	5,396,255	5,290,586	740,670	529,090	670,668	1,221,990	29,507	13
1.87	36.56	35.85	5.02	3.59	4.54	8.28	0.20	14
102,746	2,347,839	4,416,791	563,600	—	—	287,594	23,340	15
92,250	—	570,000	173,600	347,200	175,625	—	—	16
7,082	2,290	5,226	3,470	37,615	—	67,601	2,255	17
—	—	—	—	20,000	40,000	43,520	—	18
99,332	2,290	575,226	177,070	404,815	215,625	111,121	2,255	19
202,078	2,350,129	4,992,017	740,670	404,815	215,625	398,715	25,595	20
2.14	24.85	52.79	7.83	4.28	2.28	4.22	0.27	21
73,040	3,035,104	295,764	—	86,400	220,642	813,941	1,650	22
—	—	—	—	37,500	196,500	2,610	—	23
1,000	11,022	2,805	—	375	19,401	6,724	2,262	24
—	—	—	—	—	18,500	—	—	25
1,000	11,022	2,805	—	37,875	234,401	9,334	2,262	26
74,040	3,046,126	298,569	—	124,275	455,043	823,275	3,912	27
1.40	57.46	5.63	—	2.35	8.58	15.53	0.07	28
13,120	1,597,572	244,825	10,300	2,400	—	1,159,455	13,410	29
100,099	59,683	230,885	4,000	8,000	50,385	130,903	—	30
—	4,454	9,450	3,992	11,162	6,410	10,614	296	31
—	—	—	—	—	8,437	—	—	32
100,099	64,137	240,335	7,992	19,162	65,232	141,517	296	33
113,219	1,661,709	485,160	18,292	21,562	65,232	1,300,972	13,706	34
2.98	43.72	12.76	0.48	0.57	1.72	34.23	0.36	35

TABLE 3. Generation of Energy, 1958

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
1	Hydro:				
	Water-wheels and turbines	90,509,200	1,340,843	537	645,600
	Thermal:				
2	Steam engines and turbines	6,306,468	24,918	59,350	915,412
3	Internal combustion engines	526,850	45,411	3,147	1,730
4	Gas turbines	124,304	—	—	—
5	Total thermal	6,957,622	70,329	62,497	917,142
6	Total energy generated	97,466,822	1,411,172	63,034	1,562,742
7	Per cent of total for Canada	100.00	1.45	0.07	1.60
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	71,171,268	983,499	537	606,264
	Thermal:				
9	Steam engines and turbines	4,299,966	5,158	59,350	791,522
10	Internal combustion engines	384,907	3,418	3,142	1,680
11	Gas turbines	96,991	—	—	—
12	Total thermal	4,781,864	8,576	62,492	793,202
13	Total energy generated	75,953,132	992,075	63,029	1,399,466
14	Per cent of total for Canada	100.00	1.30	0.08	1.84
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	43,585,617	—	—	407,893
	Thermal:				
16	Steam engines and turbines	2,845,668	—	—	99,740
17	Internal combustion engines	328,874	597	3,142	1,342
18	Gas turbines	68,525	—	—	—
19	Total thermal	3,243,067	597	3,142	101,082
20	Total energy generated	46,828,684	597	3,142	508,975
21	Per cent of total for Canada	100.00	0.00	0.01	1.09
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	27,585,651	983,499	537	198,371
	Thermal:				
23	Steam engines and turbines	1,454,298	5,158	59,350	691,782
24	Internal combustion engines	56,033	2,821	—	338
25	Gas turbines	28,466	—	—	—
26	Total thermal	1,538,797	7,979	59,350	692,120
27	Total energy generated	29,124,448	991,478	59,887	890,491
28	Per cent of total for Canada	100.00	3.40	0.21	3.06
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	19,337,932	357,344	—	39,336
	Thermal:				
30	Steam engines and turbines	2,006,502	19,760	—	123,890
31	Internal combustion engines	141,943	41,993	5	50
32	Gas turbines	27,313	—	—	—
33	Total thermal	2,175,758	61,753	5	123,940
34	Total energy generated	21,513,690	419,097	5	163,276
35	Per cent of total for Canada	100.00	1.95	0.00	0.76

¹ Kilowatt-hours generated after deducting station service.

TABLE 3. Generation of Energy, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
1,023,020	43,418,062	28,012,573	3,113,166	568,480	990,457	11,254,743	141,719	1
577,865	203,031	1,217,958	134,328	1,113,337	1,623,737	436,532	—	2
11,797	14,475	20,849	5,526	191,352	34,558	189,154	8,851	3
—	—	—	—	43,027	79,003	2,274	—	4
589,662	217,506	1,238,807	139,854	1,347,716	1,737,298	627,960	8,851	5
1,612,682	43,635,568	29,251,380	3,253,020	1,916,196	2,727,755	11,882,703	150,570	6
1.65	44.77	30.01	3.34	1.97	2.80	12.19	0.15	7
954,222	32,028,178	26,583,550	3,080,140	548,272	990,457	5,308,059	88,090	8
231,631	—	601,392	129,881	1,075,834	1,404,704	494	—	9
11,797	8,604	5,647	3,997	142,437	26,833	169,861	7,491	10
—	—	—	—	43,027	51,690	2,274	—	11
243,428	8,604	607,039	133,878	1,261,298	1,483,227	172,629	7,491	12
1,197,650	32,036,782	27,190,589	3,214,018	1,809,570	2,473,684	5,480,688	95,581	13
1.58	42.18	35.80	4.23	2.38	3.26	7.22	0.13	14
479,787	12,804,140	25,253,474	3,080,140	—	—	1,478,094	82,089	15
231,631	—	601,392	129,881	959,431	823,593	—	—	16
11,784	331	4,414	3,997	142,396	—	158,127	2,744	17
—	—	—	—	43,027	23,224	2,274	—	18
243,415	331	605,806	133,878	1,144,854	846,817	160,401	2,744	19
723,202	12,804,471	25,859,280	3,214,018	1,144,854	846,817	1,638,495	84,833	20
1.54	27.34	55.22	6.86	2.45	1.81	3.50	0.18	21
474,435	19,224,038	1,330,076	—	548,272	990,457	3,829,965	6,001	22
—	—	—	—	116,403	581,111	494	—	23
13	8,273	1,233	—	41	26,833	11,734	4,747	24
—	—	—	—	—	28,466	—	—	25
13	8,273	1,233	—	116,444	636,410	12,228	4,747	26
474,448	19,232,311	1,331,309	—	664,716	1,626,867	3,842,193	10,748	27
1.63	66.03	4.57	—	2.28	5.59	13.19	0.04	28
68,798	11,389,884	1,429,023	33,026	20,208	—	5,946,684	53,629	29
346,234	203,031	616,566	4,447	37,503	219,033	436,038	—	30
—	5,871	15,202	1,529	48,915	7,725	19,293	1,360	31
—	—	—	—	—	27,313	—	—	32
346,234	208,902	631,768	5,976	86,418	254,071	455,331	1,360	33
415,032	11,598,786	2,060,791	39,002	106,626	254,071	6,402,015	54,989	34
1.93	53.91	9.58	0.18	0.50	1.18	29.76	0.25	35

TABLE 4. Energy Made Available, 1958

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:	thousands of kilowatt-hours ¹			
1	Total generated (Table 3)¹	97,466,822	1,411,172	63,034	1,562,742
2	Per cent of total for Canada	100.00	1.45	0.07	1.60
	Energy imported:				
3	From other provinces .....	...	—	—	—
4	From United States	245,062	—	—	—
5	Total imported	245,062	—	—	—
	Energy exported:				
6	To other provinces .....	...	36,974	—	9,949
7	To United States	4,074,513	—	—	—
8	Total exported	4,074,513	36,974	—	9,949
9	Total made available in Canada	93,637,371	1,374,198	63,034	1,552,793
10	Per cent of total for Canada	100.00	1.47	0.07	1.66
11	Generated for use in own plant—Consumed	19,517,540	357,134	104	159,716
12	Losses	513,726	7,739	—	270
13	Total available for disposal in Canada	73,606,105	1,009,325	62,930	1,392,807
14	Per cent of total for Canada	100.00	1.37	0.09	1.89

¹ Kilowatt hours after deducting station service.

TABLE 5. Disposal of Energy, 1958

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:	thousands of kilowatt-hours			
	To ultimate customers in Canada:				
1	Domestic and farm ¹	17,290,984	138,766	23,103	385,465
2	Commercial	7,224,949	37,969	19,507	126,006
3	Power—Excluding deliveries to electric boilers ..	35,838,523	473,319	8,721	720,734
4	Deliveries to electric boilers	4,414,532	251,935	—	—
5	Street lighting	554,733	4,112	1,017	12,111
6	Total sold to ultimate customers	65,323,721	906,101	52,348	1,244,316
7	Losses and unaccounted for	8,282,384	103,224	10,582	148,491
8	Total disposed of in Canada	73,606,105	1,009,325	62,930	1,392,807
9	Per cent of total for Canada	100.00	1.37	0.09	1.89
	Exported:				
10	To other provinces—Primary .....	...	36,974	—	9,949
11	Secondary .....	...	—	—	—
12	To United States—Primary	1,161,651	—	—	—
13	Secondary	2,912,862	—	—	—
14	Total exported	4,074,513	36,974	—	9,949
	Electric utilities:				
	Publicly and privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	17,220,398	136,936	23,103	385,465
16	Commercial	7,202,695	37,293	19,507	126,006
17	Power—Excluding deliveries to electric boilers	35,736,810	471,991	8,721	718,593
18	Deliveries to electric boilers	4,414,532	251,935	—	—
19	Street lighting	550,628	4,112	1,017	12,111
20	Total sold to ultimate customers	65,125,063	902,267	52,348	1,242,175
21	Losses and unaccounted for	8,276,173	103,224	10,582	148,491
22	Total disposed of in Canada	73,401,236	1,005,491	62,930	1,390,666
23	Per cent of total for Canada	100.00	1.37	0.09	1.89
	Exported:				
24	To other provinces—Primary .....	...	—	—	9,949
25	Secondary .....	...	—	—	—
26	To United States—Primary	1,078,216	—	—	—
27	Secondary	2,912,862	—	—	—
28	Total exported	3,991,078	—	—	9,949

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 4. Energy Made Available, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
1,612,682	43,635,568	29,251,380	3,253,020	1,916,196	2,727,755	11,882,703	150,570	1
1.65	44.77	30.01	3.34	1.97	2.80	12.19	0.15	2
25,851	51,318	6,024,335	540,238	6,715	25,520	2,081	—	3
591	833	226,510	—	365	604	16,159	—	4
26,442	52,151	6,250,845	540,238	7,080	26,124	18,240	—	5
—	6,006,889	50,553	35,858	504,029	6,286	25,520	—	6
142,789	526,336	3,404,051	28	—	—	1,309	—	7
142,789	6,533,225	3,454,604	35,886	504,029	6,286	26,829	—	8
1,496,335	37,154,494	32,047,621	3,757,372	1,419,247	2,747,593	11,874,114	150,570	9
1.60	39.68	34.22	4.01	1.52	2.93	12.68	0.16	10
380,880	10,165,536	1,805,015	36,037	100,989	248,561	6,219,643	43,925	11
15,755	231,363	57,420	972	3,529	59	191,945	4,674	12
1,099,700	26,757,595	30,185,186	3,720,363	1,314,729	2,498,973	5,462,526	101,971	13
1.49	36.35	41.01	5.05	1.79	3.40	7.42	0.14	14

TABLE 5. Disposal of Energy, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
253,273	4,017,294	8,189,413	1,337,932	515,158	646,048	1,775,996	8,536	1
97,745	2,317,333	2,833,584	456,589	163,257	299,204	867,938	5,817	2
665,090	13,940,656	14,963,091	1,283,248	390,574	1,224,536	2,107,687	60,867	3
—	3,733,638	198,254	211,886	—	—	—	18,819	4
12,053	123,636	244,962	35,876	21,006	38,393	61,353	214	5
1,028,161	24,132,557	26,429,304	3,325,531	1,089,995	2,208,181	4,812,974	94,253	6
71,539	2,625,038	3,755,882	394,832	224,734	290,792	649,552	7,718	7
1,099,700	26,757,595	30,185,186	3,720,363	1,314,729	2,498,973	5,462,526	101,971	8
1.49	36.35	41.01	5.05	1.79	3.40	7.42	0.14	9
—	4,239,349	14,344	33,805	504,029	6,286	25,520	—	10
—	1,767,540	36,209	2,053	—	—	—	—	11
142,789	239,527	778,023	28	—	—	1,284	—	12
—	286,809	2,626,028	—	—	—	25	—	13
142,789	6,533,225	3,454,604	35,886	504,029	6,286	26,829	—	14
253,273	4,005,508	8,171,364	1,324,418	515,056	645,575	1,751,164	8,536	15
97,745	2,313,742	2,827,292	454,563	163,256	299,031	858,443	5,817	16
665,090	13,906,081	14,914,956	1,282,879	390,544	1,222,886	2,099,750	55,319	17
—	3,733,638	198,254	211,886	—	—	—	18,819	18
12,053	122,740	243,267	35,796	21,006	38,390	59,922	214	19
1,028,161	24,081,709	26,355,133	3,309,542	1,089,862	2,205,882	4,769,279	88,705	20
71,539	2,619,016	3,755,882	394,666	224,734	290,792	649,529	7,718	21
1,099,700	26,700,725	30,111,015	3,704,208	1,314,596	2,496,674	5,418,808	96,423	22
1.50	36.38	41.02	5.05	1.79	3.40	7.38	0.13	23
—	4,239,349	14,344	33,805	504,029	6,286	25,520	—	24
—	1,767,540	36,209	2,053	—	—	—	—	25
97,003	239,527	740,374	28	—	—	1,284	—	26
—	286,809	2,626,028	—	—	—	25	—	27
97,003	6,533,225	3,416,955	35,886	504,029	6,286	26,829	—	28

TABLE 5. Disposal of Energy, 1958 — Concluded

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities — Concluded:				
	Publicly-operated:				
	To ultimate customers in Canada:				
1	Domestic and farm ¹	12,732,319	314	3,598	101,644
2	Commercial	4,734,919	170	1,648	40,782
3	Power — Excluding deliveries to electric boilers	21,318,846	—	1,800	310,571
4	Deliveries to electric boilers	672,825	15	—	—
5	Street lighting	421,194	59	323	3,933
6	Total sold to ultimate customers	39,880,103	538	7,369	456,930
7	Losses and unaccounted for	5,580,590	8	1,965	49,838
8	Total disposed of in Canada	45,460,693	566	9,334	506,768
9	Per cent of total for Canada	100.00	0.00	0.02	1.11
	Exported:				
10	To other provinces — Primary .....	...	—	—	—
11	Secondary .....	...	—	—	—
12	To United States — Primary	662,808	—	—	—
13	Secondary	2,884,619	—	—	—
14	Total exported	3,547,427	—	—	—
	Privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	4,488,079	136,622	19,505	283,821
16	Commercial	2,467,776	37,123	17,859	85,224
17	Power — Excluding deliveries to electric boilers	14,417,964	471,991	6,921	408,022
18	Deliveries to electric boilers	3,741,707	251,920	—	—
19	Street lighting	129,434	4,053	694	8,178
20	Total sold to ultimate customers	25,244,960	901,709	44,979	785,245
21	Losses and unaccounted for	2,695,583	103,216	8,617	98,653
22	Total disposed of in Canada	27,940,543	1,004,925	53,596	883,898
23	Per cent of total for Canada	100.00	3.60	0.19	3.16
	Exported:				
24	To other provinces — Primary .....	...	—	—	9,949
25	Secondary .....	...	—	—	—
26	To United States — Primary	415,408	—	—	—
27	Secondary	28,243	—	—	—
28	Total exported	443,651	—	—	9,949
	Industrial establishments:				
	To ultimate customers in Canada:				
29	Domestic and farm ¹	70,586	1,830	—	—
30	Commercial	22,254	676	—	—
31	Power — Excluding deliveries to electric boilers	101,713	1,328	—	2,141
32	Deliveries to electric boilers	—	—	—	—
33	Street lighting	4,105	—	—	—
34	Total sold to ultimate customers	198,658	3,834	—	2,141
35	Losses and unaccounted for	6,211	—	—	—
36	Total disposed of in Canada	204,869	3,834	—	2,141
37	Per cent of total for Canada	100.00	1.87	—	1.05
	Exported:				
38	To other provinces — Primary .....	...	36,974	—	—
39	Secondary .....	...	—	—	—
40	To United States — Primary	83,435	—	—	—
41	Secondary	—	—	—	—
42	Total exported	83,435	36,974	—	—

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 5. Disposal of Energy, 1958 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
189,295	1,944,891	7,988,098	1,306,001	478,163	349,067	370,104	1,144	1
61,611	890,596	2,755,023	449,668	152,232	211,710	169,598	1,881	2
241,099	3,972,420	14,073,132	803,688	350,695	512,324	1,001,907	51,210	3
—	243,851	198,254	211,886	—	—	—	18,819	4
8,287	70,577	238,155	34,356	19,793	28,424	17,272	15	5
500,292	7,122,335	25,252,662	2,805,599	1,000,883	1,101,525	1,558,881	73,069	6
47,441	1,022,596	3,637,062	394,184	171,428	91,686	158,303	6,079	7
547,733	8,144,931	28,889,724	3,199,783	1,172,311	1,193,211	1,717,184	79,148	8
1.21	17.92	63.55	7.04	2.58	2.62	3.78	0.17	9
—	1,476,514	14,344	31,295	—	—	13	—	10
—	1,565,886	36,209	2,053	—	—	—	—	11
33,822	234,758	394,200	28	—	—	—	—	12
—	258,591	2,626,028	—	—	—	—	—	13
33,822	3,535,749	3,070,781	33,376	—	—	13	—	14
63,978	2,060,617	183,266	18,417	36,893	296,508	1,381,060	7,392	15
36,134	1,423,146	72,269	4,895	11,024	87,321	688,845	3,936	16
423,991	9,933,661	841,824	479,191	39,849	710,562	1,097,843	4,109	17
—	3,489,787	—	—	—	—	—	—	18
3,766	52,163	5,112	1,440	1,213	9,966	42,650	199	19
527,869	16,959,374	1,102,471	503,943	88,979	1,104,357	3,210,398	15,636	20
24,098	1,596,420	118,820	482	53,306	199,106	491,226	1,639	21
551,967	18,555,794	1,221,291	504,425	142,285	1,303,463	3,701,624	17,275	22
1.98	66.41	4.37	1.81	0.51	4.66	13.25	0.06	23
—	2,762,835	—	2,510	504,029	6,286	25,507	—	24
—	201,654	—	—	—	—	—	—	25
63,181	4,769	346,174	—	—	—	1,284	—	26
—	28,218	—	—	—	—	25	—	27
63,181	2,997,476	346,174	2,510	504,029	6,286	26,816	—	28
—	11,786	18,049	13,514	102	473	24,832	—	29
—	3,591	6,292	2,026	1	173	9,495	—	30
—	34,575	48,135	369	30	1,650	7,937	5,548	31
—	—	—	—	—	—	—	—	32
—	896	1,695	80	—	3	1,431	—	33
—	50,848	74,171	15,989	133	2,299	43,695	5,548	34
—	6,022	—	166	—	—	23	—	35
—	56,870	74,171	16,155	133	2,299	43,718	5,548	36
—	27.76	36.20	7.89	0.06	1.12	21.34	2.71	37
—	—	—	—	—	—	—	—	38
—	—	—	—	—	—	—	—	39
45,786	—	37,649	—	—	—	—	—	40
—	—	—	—	—	—	—	—	41
45,786	—	37,649	—	—	—	—	—	42

TABLE 6. Customers at End of Year, 1958

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:				
	Ultimate customers in Canada:				
1	Domestic and farm ¹	4, 188, 946	53, 614	16, 059	163, 481
2	Commercial	516, 018	5, 363	2, 866	19, 887
3	Power	99, 818	651	237	6, 453
4	Street lighting	4, 852	19	18	147
5	Total ultimate customers	4, 809, 634	59, 647	19, 180	189, 968
6	Per cent of total for Canada	100.00	1.24	0.40	3.95
	Electric utilities:				
	Publicly and privately-operated:				
	Ultimate customers in Canada:				
7	Domestic and farm ¹	4, 178, 160	53, 074	16, 059	163, 481
8	Commercial	515, 070	5, 311	2, 866	19, 887
9	Power	99, 717	630	237	6, 451
10	Street lighting	4, 834	19	18	147
11	Total ultimate customers	4, 797, 781	59, 034	19, 180	189, 966
12	Per cent of total for Canada	100.00	1.23	0.40	3.96
	Publicly-operated:				
	Ultimate customers in Canada:				
13	Domestic and farm ¹	2, 912, 055	466	2, 943	61, 165
14	Commercial	352, 483	54	366	7, 579
15	Power	64, 857	7	71	1, 508
16	Street lighting	2, 603	1	1	69
17	Total ultimate customers	3, 331, 998	528	3, 381	70, 321
18	Per cent of total for Canada	100.00	0.02	0.10	2.11
	Privately-operated:				
	Ultimate customers in Canada:				
19	Domestic and farm ¹	1, 266, 105	52, 608	13, 116	102, 316
20	Commercial	162, 587	5, 257	2, 500	12, 308
21	Power	34, 860	623	166	4, 943
22	Street lighting	2, 231	18	17	78
23	Total ultimate customers	1, 465, 783	58, 506	15, 799	119, 645
24	Per cent of total for Canada	100.00	3.99	1.08	8.16
	Industrial establishments:				
	Ultimate customers in Canada:				
25	Domestic and farm ¹	10, 786	540	—	—
26	Commercial	948	52	—	—
27	Power	101	21	—	2
28	Street lighting	18	—	—	—
29	Total ultimate customers	11, 853	613	—	2
30	Per cent of total for Canada	100.00	5.17	—	0.02

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 6. Customers at End of Year, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
129,365	1,124,134	1,634,830	218,870	191,072	255,164	399,343	3,014	1
14,115	135,803	166,107	36,969	31,838	40,847	61,521	702	2
2,155	18,826	26,143	10,818	6,540	19,568	8,270	157	3
144	1,616	752	529	859	527	232	9	4
145,779	1,280,379	1,827,832	267,186	230,309	316,106	469,366	3,882	5
3.03	26.62	38.00	5.56	4.79	6.57	9.76	0.08	6
129,365	1,121,443	1,631,851	218,449	190,967	254,903	395,554	3,014	7
14,115	135,531	165,898	36,935	31,837	40,834	61,154	702	8
2,155	18,798	26,130	10,817	6,522	19,566	8,255	156	9
144	1,609	748	528	859	526	227	9	10
145,779	1,277,381	1,824,627	266,729	230,185	315,829	465,190	3,881	11
3.04	26.62	38.03	5.56	4.80	6.58	9.70	0.08	12
105,222	513,491	1,597,460	215,208	180,265	139,312	96,110	413	13
10,878	65,814	162,223	36,601	30,747	21,939	16,090	192	14
1,715	9,150	25,826	10,759	6,168	7,466	2,181	6	15
124	133	726	526	854	12	154	3	16
117,939	588,588	1,786,235	263,094	218,034	168,729	114,535	614	17
3.54	17.66	53.61	7.90	6.54	5.06	3.44	0.02	18
24,143	607,952	34,391	3,241	10,702	115,591	299,444	2,601	19
3,237	69,717	3,675	334	1,090	18,895	45,064	510	20
440	9,648	304	58	354	12,100	6,074	150	21
20	1,476	22	2	5	514	73	6	22
27,840	688,793	38,392	3,635	12,151	147,100	350,655	3,267	23
1.90	46.99	2.62	0.25	0.83	10.04	23.92	0.22	24
—	2,691	2,979	421	105	261	3,789	—	25
—	272	209	34	1	13	367	—	26
—	28	13	1	18	2	15	1	27
—	7	4	1	—	1	5	—	28
—	2,998	3,205	457	124	277	4,176	1	29
—	25.29	27.04	3.85	1.05	2.34	35.23	0.01	30

TABLE 7. Revenue From Sale of Electricity, 1958

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities and industrial establishments:				
	Revenue from ultimate customers in Canada:				
1	Domestic and farm ¹	278,531	3,424	1,154	10,351
2	Commercial	131,844	1,200	754	4,443
3	Power—Excluding deliveries to electric boilers	260,619	4,162	198	9,663
4	Deliveries to electric boilers	7,502	456	—	—
5	Street lighting	13,207	120	52	496
6	Total revenue from ultimate customers	691,703	9,362	2,158	24,953
7	Per cent of total for Canada	100.00	1.35	0.31	3.61
	Revenue from electricity exported:				
8	To other provinces—Primary .....	...	—	—	185
9	Secondary .....	...	—	—	—
10	To United States—Primary	4,731	—	—	—
11	Secondary	8,648	—	—	—
12	Total revenue from exports	13,379	—	—	185
13	Total (Ultimate customers and exports)	705,082	9,362	2,158	25,138
	Electric utilities:				
	Publicly and privately-operated:				
	Revenue from ultimate customers in Canada:				
14	Domestic and farm ¹	277,559	3,345	1,154	10,351
15	Commercial	131,469	1,177	754	4,443
16	Power—Excluding deliveries to electric boilers ..	259,979	4,109	198	9,647
17	Deliveries to electric boilers	7,502	456	—	—
18	Street lighting	13,176	120	52	496
19	Total revenue from ultimate customers	689,685	9,207	2,158	24,937
20	Per cent of total for Canada	100.00	1.34	0.31	3.62
	Revenue from electricity exported:				
21	To other provinces—Primary .....	...	—	—	185
22	Secondary .....	...	—	—	—
23	To United States—Primary	4,307	—	—	—
24	Secondary	8,648	—	—	—
25	Total revenue from exports	12,955	—	—	185
26	Total (Ultimate customers and exports)	702,640	9,207	2,158	25,122
	Publicly-operated:				
	Revenue from ultimate customers in Canada:				
27	Domestic and farm ¹	189,495	22	210	3,009
28	Commercial	86,046	12	96	1,193
29	Power—Excluding deliveries to electric boilers ..	166,363	—	65	2,340
30	Deliveries to electric boilers	1,032	3	—	—
31	Street lighting	9,303	1	14	126
32	Total revenue from ultimate customers	452,239	38	385	6,668
33	Per cent of total for Canada	100.00	0.01	0.08	1.47

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 7. Revenue From Sale of Electricity, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
8,753	61,262	110,712	14,141	15,864	15,484	36,911	475	1
3,015	32,698	43,478	7,382	6,222	10,360	21,933	359	2
6,451	81,974	107,699	8,687	7,174	16,044	17,389	1,178	3
—	6,436	279	266	—	—	—	65	4
457	2,837	5,417	651	687	1,251	1,225	14	5
18,676	185,207	267,585	31,127	29,947	43,139	77,458	2,091	6
2.70	26.78	38.68	4.50	4.33	6.24	11.20	0.30	7
—	12,229	137	177	1,224	43	74	—	8
—	2,683	117	1	—	—	—	—	9
752	450	3,503	1	—	—	25	—	10
—	826	7,820	—	—	—	2	—	11
752	16,188	11,577	179	1,224	43	101	—	12
19,428	201,395	279,162	31,306	31,171	43,182	77,559	2,091	13
8,753	61,023	110,471	14,111	15,857	15,445	36,574	475	14
3,015	32,618	43,389	7,372	6,222	10,352	21,768	359	15
6,451	81,687	107,527	8,687	7,171	16,015	17,314	1,173	16
—	6,436	279	266	—	—	—	65	17
457	2,825	5,414	651	687	1,251	1,209	14	18
18,676	184,589	267,080	31,087	29,937	43,063	76,865	2,086	19
2.71	26.76	38.72	4.51	4.34	6.24	11.15	0.30	20
—	12,229	137	177	1,224	43	74	—	21
—	2,683	117	1	—	—	—	—	22
546	450	3,285	1	—	—	25	—	23
—	826	7,820	—	—	—	2	—	24
546	16,188	11,359	179	1,224	43	101	—	25
19,222	200,777	278,439	31,266	31,161	43,106	76,966	2,086	26
6,879	26,273	108,184	13,792	15,045	7,486	8,524	71	27
1,882	16,571	42,276	7,259	5,876	6,006	4,769	106	28
4,188	28,424	102,722	7,731	6,598	6,251	7,114	930	29
—	419	279	266	—	—	—	65	30
292	1,105	5,302	645	655	795	366	2	31
13,241	72,792	258,763	29,693	28,174	20,538	20,773	1,174	32
2.93	16.10	57.22	6.57	6.23	4.54	5.59	0.26	33

TABLE 7. Revenue From Sale of Electricity, 1958 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Concluded:				
	Publicly-operated — Concluded:				
	Revenue from electricity exported:				
1	To other provinces — Primary .....	...	—	—	—
2	Secondary .....	...	—	—	—
3	To United States — Primary	2,086	—	—	—
4	Secondary	8,503	—	—	—
5	Total revenue from exports	10,589	—	—	—
6	Total (Ultimate customers and exports)	462,828	38	385	6,668
	Privately-operated:				
	Revenue from ultimate customers in Canada:				
7	Domestic and farm ¹	88,064	3,323	944	7,342
8	Commercial	45,423	1,165	658	3,250
9	Power — Excluding deliveries to electric boilers	93,616	4,109	133	7,307
10	Deliveries to electric boilers	6,470	453	—	—
11	Street lighting	3,873	119	38	370
12	Total revenue from ultimate customers	237,446	9,169	1,773	18,269
13	Per cent of total for Canada	100.00	3.86	0.75	7.69
	Revenue from electricity exported:				
14	To other provinces — Primary .....	...	—	—	185
15	Secondary .....	...	—	—	—
16	To United States — Primary	2,221	—	—	—
17	Secondary	145	—	—	—
18	Total revenue from exports	2,366	—	—	185
19	Total (Ultimate customers and exports)	239,812	9,169	1,773	18,454
	Industrial establishments:				
	Revenue from ultimate customers in Canada:				
20	Domestic and farm ¹	972	79	—	—
21	Commercial	375	23	—	—
22	Power — Excluding deliveries to electric boilers	640	53	—	16
23	Deliveries to electric boilers	—	—	—	—
24	Street lighting	31	—	—	—
25	Total revenue from ultimate customers	2,018	153	—	16
26	Per cent of total for Canada	100.00	7.68	—	0.79
	Revenue from electricity exported:				
27	To other provinces — Primary .....	...	—	—	—
28	Secondary .....	...	—	—	—
29	To United States — Primary	424	—	—	—
30	Secondary	—	—	—	—
31	Total revenue from exports	424	—	—	—
32	Total (Ultimate customers and exports)	2,442	153	—	16

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 7. Revenue From Sale of Electricity, 1958 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
—	3,527	137	57	—	—	—	—	1
—	2,309	117	1	—	—	—	—	2
—	380	1,705	1	—	—	—	—	3
—	683	7,820	—	—	—	—	—	4
—	6,899	9,779	59	—	—	—	—	5
13,241	79,691	268,542	29,752	28,174	20,538	20,773	1,174	6
1,874	34,750	2,287	319	812	7,959	28,050	404	7
1,133	16,047	1,113	113	346	4,346	16,999	253	8
2,263	53,263	4,805	956	573	9,764	10,200	243	9
—	6,017	—	—	—	—	—	—	10
165	1,720	112	6	32	456	843	12	11
5,435	111,797	8,317	1,394	1,763	22,525	56,092	912	12
2.29	47.08	3.50	0.59	0.74	9.49	23.62	0.39	13
—	8,702	—	40	1,224	43	74	—	14
—	374	—	—	—	—	—	—	15
546	70	1,580	—	—	—	25	—	16
—	143	—	—	—	—	2	—	17
546	9,289	1,580	40	1,224	43	101	—	18
5,981	121,086	9,897	1,434	2,987	22,568	56,193	912	19
—	239	241	30	7	39	337	—	20
—	80	89	10	—	8	165	—	21
—	287	172	—	3	29	75	5	22
—	—	—	—	—	—	—	—	23
—	12	3	—	—	—	16	—	24
—	618	505	40	10	76	593	5	25
—	30.62	25.02	1.98	0.50	3.77	29.39	0.25	26
—	—	—	—	—	—	—	—	27
—	—	—	—	—	—	—	—	28
206	—	218	—	—	—	—	—	29
—	—	—	—	—	—	—	—	30
206	—	218	—	—	—	—	—	31
206	618	723	40	10	76	593	5	32

TABLE 8. Domestic and Farm Service, 1939-58¹

No.			Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:					
	Customers:					
1	1939	No.	1,623,672	..	5,067	62,034
2	1945	"	1,987,360	..	6,387	84,011
3	1957	"	4,004,200	51,187	15,044	158,065
4	1958	"	4,188,946	53,614	16,059	163,481
	Kilowatt-hours sold:					
5	1939	'000 kwh.	2,310,891	..	2,908	39,084
6	1945	"	3,365,497	..	5,217	70,099
7	1957	"	15,857,618	132,678	20,560	356,000
8	1958	"	17,290,984	138,766	23,103	385,465
	Revenue received:					
9	1939	\$'000	43,793	..	163	1,709
10	1945	"	55,736	..	239	2,286
11	1957	"	257,038	3,194	1,047	9,173
12	1958	"	278,531	3,424	1,154	10,351
	Kilowatt-hours per customer:					
13	1939	kwh.	1,423	..	574	630
14	1945	"	1,693	..	817	834
15	1957	"	3,960	2,592	1,367	2,252
16	1958	"	4,128	2,588	1,439	2,358
	Average annual bill:					
17	1939	\$	26.97	..	32.21	27.56
18	1945	\$	28.05	..	37.35	27.21
19	1957	\$	64.19	62.40	69.60	58.03
20	1958	\$	66.49	63.86	71.86	63.32
	Revenue per kilowatt-hour:					
21	1939	cents	1.90	..	5.61	4.37
22	1945	"	1.66	..	4.57	3.26
23	1957	"	1.62	2.41	5.09	2.58
24	1958	"	1.61	2.47	5.00	2.69
	Farm service, 1958: ¹					
25	Customers	No.	468,334	1,511	7,407	24,720
26	Kilowatt-hours sold	'000 kwh.	1,726,016	2,372	8,556	29,595
27	Revenue received	\$'000	40,492	100	525	1,130
28	Kilowatt-hours per customer	No.	3,686	1,570	1,155	1,197
29	Average annual bill	\$	86.46	66.18	70.88	45.71
30	Revenue per kilowatt-hour	cents	2.35	4.22	6.14	3.82

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records. At the bottom of the page, however, farm figures are tabulated as reported.

TABLE 8. Domestic and Farm Service, 1939-58¹

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
46,485	434,825	719,871	81,091	49,980	68,267	156,052	..	1
62,175	558,865	839,968	94,673	61,285	87,005	192,991	..	2
123,893	1,089,415	1,549,668	211,642	182,426	237,719	382,222	2,918	3
129,365	1,124,134	1,634,830	218,870	191,072	255,164	399,343	3,014	4
26,989	311,420	1,374,325	320,827	41,198	42,210	151,930	..	5
45,958	507,274	1,963,043	416,499	58,402	63,962	235,043	..	6
225,210	3,582,204	7,594,393	1,247,563	470,075	564,048	1,657,619	7,268	7
253,273	4,017,294	8,189,413	1,337,932	515,158	646,048	1,775,996	8,536	8
1,308	9,167	19,658	3,312	2,004	2,145	4,327	..	9
1,883	11,926	23,699	4,238	2,566	2,932	5,967	..	10
7,906	56,112	103,377	14,052	14,625	13,788	33,421	343	11
8,753	61,262	110,712	14,141	15,864	15,484	36,911	475	12
581	716	1,909	3,956	824	618	974	..	13
739	908	2,337	4,399	953	735	1,218	..	14
1,818	3,288	4,901	5,895	2,577	2,373	4,337	2,491	15
1,958	3,574	5,009	6,113	2,696	2,532	4,447	2,832	16
28.13	21.08	27.31	40.84	40.10	31.42	27.73	..	17
30.29	21.34	28.21	44.76	41.87	33.70	30.92	..	18
63.81	51.51	66.71	66.40	80.17	58.00	87.44	117.55	19
67.66	54.50	67.72	64.61	83.03	60.68	92.43	157.60	20
4.85	2.94	1.43	1.03	4.87	5.08	2.85	..	21
4.10	2.35	1.21	1.02	4.39	4.59	2.54	..	22
3.51	1.57	1.36	1.13	3.11	2.44	2.02	4.72	23
3.46	1.53	1.35	1.06	3.08	2.40	2.08	5.56	24
30,503	106,278	143,029	38,700	50,813	40,847	24,526	..	25
47,839	257,949	752,578	177,468	135,651	145,641	168,367	..	26
1,966	6,059	15,768	3,496	5,387	3,275	2,786	..	27
1,568	2,427	5,262	4,586	2,670	3,566	6,865	..	28
64.45	57.01	110.24	90.34	106.02	80.18	113.59	..	29
4.11	2.35	2.10	1.97	3.97	2.25	1.65	..	30

TABLE 9. Pole Line Mileage at End of Year, 1958

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	Steel — Towers	10, 839	66	—	21
2	Poles	224	47	—	1
3	Aluminum — Towers	—	—	—	—
4	Poles	28	—	—	—
5	Wood pole — Transmission	41, 490	417	—	1, 583
6	Distribution.....	253, 802	1, 877	1, 387	9, 358
7	Concrete pole	616	—	—	—
8	Cable (underground and — Under 69 kv. submarine)	4, 246	10	—	35
9	69 kv. and over	258	—	—	1
10	Other.....	8	—	—	—
11	Total pole line mileage	311, 511	2, 417	1, 387	10, 999
12	Per cent of total for Canada	100. 00	0. 78	0. 45	3. 53

TABLE 10. Circuit Mileage of Electric Line at End of Year, 1958

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	20,000 - 49,999 volts	28, 496	1, 596	63	895
2	50,000 - 99,999 "	12, 256	314	—	806
3	100,000 - 149,999 "	12, 862	—	—	—
4	150,000 - 199,999 "	510	—	—	—
5	200,000 - 249,999 "	5, 113	—	—	—
6	250,000 - 299,999 "	—	—	—	—
7	300,000 - 349,999 "	1, 433	—	—	—
8	350,000 volts and over	—	—	—	—
9	Total circuit mileage¹	60, 670	1, 910	63	1, 701
10	Per cent of total for Canada	100. 00	3. 15	0. 10	2. 80

¹ Includes all circuits, overhead or underground, of 22,000 volts and over whether described as transmission or distribution.

TABLE 11. Transformers With High Voltage Rating of 15 Kilovolts or Over at End of Year, 1958

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	Number	64, 975	150	6	477
2	Total kva.	57, 217, 308	406, 178	13, 000	1, 002, 239

TABLE 9. Pole Line Mileage at End of Year, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
404	2,896	5,526	1,247	16	49	614	—	1
—	77	78	3	18	—	—	—	2
—	—	—	—	—	—	—	—	3
—	—	28	—	—	—	—	—	4
963	3,865	9,540	3,768	8,995	9,956	2,266	137	5
8,229	34,668	56,802	29,942	59,758	39,382	12,318	81	6
12	5	598	—	1	—	—	—	7
5	1,368	1,896	151	64	359	358	—	8
—	57	32	—	—	8	160	—	9
—	—	8	—	—	—	—	—	10
9,613	42,936	74,508	35,111	68,852	49,754	15,716	218	11
3.09	13.78	23.92	11.27	22.10	15.97	5.04	0.07	12

TABLE 10. Circuit Mileage of Electric Line at End of Year, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
154	3,199	6,746	1,751	7,019	6,905	166	2	1
1,047	1,784	219	2,268	1,651	1,777	2,358	32	2
261	2,335	6,766	1,041	339	1,113	917	90	3
—	510	—	—	—	—	—	—	4
—	1,045	3,858	—	—	—	210	—	5
—	—	—	—	—	—	—	—	6
—	1,230	—	—	—	—	203	—	7
—	—	—	—	—	—	—	—	8
1,462	10,103	17,589	5,060	9,009	9,795	3,854	124	9
2.41	16.65	28.99	8.34	14.85	16.15	6.35	0.21	10

TABLE 11. Transformers With High Voltage Rating of 15 Kilovolts or Over at End of Year, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
216	1,767	4,749	990	51,957	2,677	1,964	22	1
574,250	15,767,582	29,796,888	2,627,305	959,720	1,836,564	4,182,897	50,685	2

TABLE 12. Fuel Used to Generate Electricity, 1958

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
	Quantity of fuel:				
	Coal:				
1	Bituminous — Canadian short ton	576, 179	—	—	431, 573
2	Imported "	316, 561	—	—	—
3	Sub-bituminous "	285, 855	—	—	—
4	Saskatchewan lignite "	471, 927	—	—	—
5	Other "	4, 414	—	—	—
6	Total coal "	1, 654, 936	—	—	431, 573
	Petroleum fuels:				
7	Furnace fuel oil — Light Imp. gallon	930, 576	—	—	168, 709
8	Heavy "	43, 436, 339	594, 370	5, 357, 463	4, 865, 070
9	Diesel fuel oil "	8, 018, 147	201, 862	240, 541	131, 076
10	Other "	—	—	—	—
11	Total petroleum fuels "	52, 385, 062	796, 232	5, 598, 004	5, 164, 855
	Gas:				
12	Natural '000 cu. ft.	27, 895, 697	—	—	—
13	Manufactured "	—	—	—	—
14	Total gas "	27, 895, 697	—	—	—
15	Other fuels "	—	—	—	—
	Cost of fuel:				
	Coal:				
16	Bituminous — Canadian \$	5, 975, 615	—	—	4, 523, 936
17	Imported \$	2, 784, 018	—	—	—
18	Sub-bituminous \$	776, 867	—	—	—
19	Saskatchewan lignite \$	1, 082, 685	—	—	—
20	Other \$	18, 549	—	—	—
21	Total coal \$	10, 637, 734	—	—	4, 523, 936
	Petroleum fuels:				
22	Furnace fuel oil — Light \$	148, 078	—	—	18, 011
23	Heavy \$	2, 625, 804	44, 264	358, 992	346, 013
24	Diesel fuel oil \$	1, 615, 330	42, 301	42, 460	19, 874
25	Other \$	—	—	—	—
26	Total petroleum fuels \$	4, 389, 212	86, 565	401, 392	383, 898
	Gas:				
27	Natural \$	4, 618, 487	—	—	—
28	Manufactured \$	—	—	—	—
29	Total gas \$	4, 618, 487	—	—	—
30	Other fuels \$	—	—	—	—
31	Total all fuels \$	19, 645, 433	86, 565	401, 392	4, 907, 834
32	Per cent of total for Canada	100. 00	0. 44	2. 04	24. 98

TABLE 12. Fuel Used to Generate Electricity, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
144,498	—	—	108	—	—	—	—	1
—	—	316,561	—	—	—	—	—	2
—	—	—	—	123,053	162,802	—	—	3
—	—	—	97,000	374,927	—	—	—	4
—	—	—	—	4,414	—	—	—	5
144,498	—	316,561	97,108	502,394	162,802	—	—	6
165,689	—	396,178	—	—	—	—	200,000	7
1,304,032	—	—	—	30,213,763	269,013	832,628	—	8
333,424	560,116	476,439	296,071	527,888	558,191	4,314,955	377,584	9
—	—	—	—	—	—	—	—	10
1,803,145	560,116	872,617	296,071	30,741,651	827,204	5,147,583	577,584	11
—	—	—	506,482	7,149,693	19,085,865	1,153,657	—	12
—	—	—	—	—	—	—	—	13
—	—	—	506,482	7,149,693	19,085,865	1,153,657	—	14
—	—	—	—	—	—	—	—	15
1,450,347	—	—	1,332	—	—	—	—	16
—	—	2,784,018	—	—	—	—	—	17
—	—	—	—	562,499	214,368	—	—	18
—	—	—	455,973	626,712	—	—	—	19
—	—	—	—	18,549	—	—	—	20
1,450,347	—	2,784,018	457,305	1,207,760	214,368	—	—	21
26,328	—	52,404	—	—	—	—	51,335	22
116,625	—	—	—	1,637,726	14,635	107,549	—	23
62,521	105,996	107,958	61,161	90,251	95,830	898,877	88,161	24
—	—	—	—	—	—	—	—	25
205,474	105,996	160,362	61,161	1,727,977	110,465	1,006,426	139,496	26
—	—	—	171,998	2,048,312	2,119,185	278,992	—	27
—	—	—	—	—	—	—	—	28
—	—	—	171,998	2,048,312	2,119,185	278,992	—	29
—	—	—	—	—	—	—	—	30
1,655,821	105,996	2,944,380	690,464	4,984,049	2,444,018	1,285,418	139,496	31
8.43	0.54	14.99	3.52	25.37	12.44	6.54	0.71	32

TABLE 12. Fuel Used to Generate Electricity, 1958 — Concluded

No.			Canada	Newfoundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated					
	— Concluded:					
	Average B.t.u. content of fuel:					
	Coal:					
1	Bituminous — Canadian	per pound	11,885	—	—	11,935
2	Imported	"	12,275	—	—	—
3	Sub-bituminous	"	8,272	—	—	—
4	Saskatchewan lignite	"	7,039	—	—	—
5	Other	"	8,300	—	—	—
	Petroleum fuels:					
6	Furnace fuel oil—Light ..	per Imp. gal.	168,262	—	—	168,896
7	Heavy ..	"	184,300	176,900	183,890	184,018
8	Diesel fuel oil	"	166,839	164,200	163,000	167,558
9	Other		—	—	—	—
	Gas:					
10	Natural	per stand. cu. ft. ¹	1,007	—	—	—
11	Manufactured		—	—	—	—
	Energy generated: ²					
	By coal:					
12	Bituminous — Canadian	'000 kwh.	904,745	—	—	684,954
13	Imported	"	596,220	—	—	—
14	Sub-bituminous	"	315,038	—	—	—
15	Saskatchewan lignite	"	390,471	—	—	—
16	Other	"	3,993	—	—	—
17	Total coal	"	2,210,467	—	—	684,954
	By petroleum fuels:					
18	Furnace fuel oil—Light	"	12,554	—	—	2,800
19	Heavy....	"	523,151	5,158	59,350	103,768
20	Diesel fuel oil	"	113,599	3,418	3,142	1,680
21	Other		—	—	—	—
22	Total petroleum fuels....	"	649,304	8,576	62,492	108,248
	By gas:					
23	Natural	"	1,922,093	—	—	—
24	Manufactured		—	—	—	—
25	Total gas	"	1,922,093	—	—	—
26	By other fuels		—	—	—	—
27	Total all fuels	"	4,781,864	8,576	62,492	793,202
28	Per cent of total for Canada		100.00	0.18	1.31	16.59

¹ Standard cubic foot — 760 mm. mercury, 60° F.

TABLE 12. Fuel Used to Generate Electricity, 1958 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
11,736	—	—	12,800	—	—	—	—	1
—	—	12,275	—	—	—	—	—	2
—	—	—	—	8,300	8,250	—	—	3
—	—	—	7,015	7,045	—	—	—	4
—	—	—	—	8,300	—	—	—	5
166,000	—	170,080	—	—	—	—	166,000	6
183,170	—	—	—	184,705	187,250	180,000	—	7
166,517	164,925	169,579	163,856	181,924	167,644	165,689	163,414	8
—	—	—	—	—	—	—	—	9
—	—	—	1,000	1,000	1,011	1,000	—	10
—	—	—	—	—	—	—	—	11
219,586	—	—	205	—	—	—	—	12
—	—	596,220	—	—	—	—	—	13
—	—	—	—	132,108	182,930	—	—	14
—	—	—	93,791	296,680	—	—	—	15
—	—	—	—	3,993	—	—	—	16
219,586	—	596,220	93,996	432,781	182,930	—	—	17
1,853	—	5,172	—	—	—	—	2,729	18
17,992	—	—	—	331,361	3,248	2,274	—	19
3,997	8,604	5,647	3,997	5,676	12,724	59,952	4,762	20
—	—	—	—	—	—	—	—	21
23,842	8,604	10,819	3,997	337,037	15,972	62,226	7,491	22
—	—	—	35,885	491,480	1,284,325	110,403	—	23
—	—	—	—	—	—	—	—	24
—	—	—	35,885	491,480	1,284,325	110,403	—	25
—	—	—	—	—	—	—	—	26
243,428	8,604	607,039	133,878	1,261,298	1,483,227	172,629	7,491	27
5.09	0.18	12.69	2.80	26.38	31.02	3.61	0.15	28

² Net output after deducting station service.

TABLE 13. Employees, Wages, and Salaries, 1958

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
Electric utilities — Publicly and privately-operated:					
Employees (excluding construction employees):					
1	Administrative..... No.	16,795	157	26	536
2	Operating..... "	22,599	429	175	1,006
3	Total employees..... "	39,394	586	201	1,542
4	Per cent of total for Canada.....	100.00	1.49	0.51	3.91
Wages and salaries (excluding construction employees):					
5	Administrative..... \$'000	75,073	476	108	1,925
6	Operating..... "	95,138	1,273	461	3,520
7	Total wages and salaries..... "	170,211	1,749	569	5,445
8	Per cent of total for Canada.....	100.00	1.03	0.33	3.20
Publicly-operated:					
Employees (excluding construction employees):					
9	Administrative..... No.	11,987	—	13	195
10	Operating..... "	16,162	6	36	424
11	Total employees..... "	28,149	6	49	619
12	Per cent of total for Canada.....	100.00	0.02	0.17	2.20
Wages and salaries (excluding construction employees):					
13	Administrative..... \$'000	52,760	—	22	684
14	Operating..... "	69,448	14	75	1,244
15	Total wages and salaries..... "	122,208	14	97	1,928
16	Per cent of total for Canada.....	100.00	0.01	0.08	1.58
Privately-operated:					
Employees (excluding construction employees):					
17	Administrative..... No.	4,808	157	13	341
18	Operating..... "	6,437	423	139	582
19	Total employees..... "	11,245	580	152	923
20	Per cent of total for Canada.....	100.00	5.16	1.35	8.21
Wages and salaries (excluding construction employees):					
21	Administrative..... \$'000	22,313	476	86	1,241
22	Operating..... "	25,690	1,259	386	2,276
23	Total wages and salaries..... "	48,003	1,735	472	3,517
24	Per cent of total for Canada.....	100.00	3.61	0.98	7.33

TABLE 13. Employees, Wages, and Salaries, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
408	4,742	7,239	898	648	698	1,401	42	1
734	5,057	9,170	1,615	1,493	1,234	1,618	68	2
1,142	9,799	16,409	2,513	2,141	1,932	3,019	110	3
2.90	24.88	41.65	6.38	5.44	4.90	7.66	0.28	4
1,594	20,547	34,299	3,465	2,656	2,870	6,912	221	5
2,374	20,281	41,783	5,856	6,821	5,628	6,845	296	6
3,968	40,828	76,082	9,321	9,477	8,498	13,757	517	7
2.33	23.99	44.70	5.48	5.57	4.99	8.08	0.30	8
365	2,283	7,112	895	620	264	210	30	9
628	2,022	8,878	1,615	1,373	537	593	50	10
993	4,305	15,990	2,510	1,993	801	803	80	11
3.53	15.29	56.81	8.92	7.08	2.85	2.85	0.28	12
1,391	8,910	33,660	3,452	2,506	1,081	888	166	13
1,965	8,021	40,516	5,856	6,250	2,522	2,795	190	14
3,356	16,931	74,176	9,308	8,756	3,603	3,683	356	15
2.75	13.85	60.70	7.62	7.16	2.95	3.01	0.29	16
43	2,459	127	3	28	434	1,191	12	17
106	3,035	292	—	120	697	1,025	18	18
149	5,494	419	3	148	1,131	2,216	30	19
1.32	48.86	3.72	0.03	1.31	10.06	19.71	0.27	20
203	11,637	639	13	150	1,789	6,024	55	21
409	12,260	1,267	—	571	3,106	4,050	106	22
612	23,897	1,906	13	721	4,895	10,074	161	23
1.27	49.78	3.97	0.03	1.50	10.20	20.99	0.34	24

TABLE 14. Assets and Liabilities at End of Year, 1958

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	3,117,805	57,211	3,210	62,386
2	Transmission	1,316,328	5,053	520	21,445
3	Distribution	1,272,879	13,742	1,221	41,397
4	Other property and equipment	369,733	8,283	2,556	20,899
5	Total	6,076,745	84,289	7,507	146,127
6	Accumulated depreciation	973,727	9,765	—	22,933
7	Total, less depreciation	5,103,018	74,524	7,507	123,194
8	Other fixed assets, less depreciation	239,829	—	25	3,982
9	Total fixed assets	5,342,847	74,524	7,532	127,176
	Current assets:				
10	Cash on hand and in banks	53,993	666	198	875
11	Temporary investments	49,612	400	17	1,719
12	Accounts receivable (net)	112,143	1,026	308	3,013
13	Inventories	99,451	1,106	185	2,479
14	Other	14,955	51	2	481
15	Total current assets	330,154	3,249	710	8,567
	Investments:				
16	In associated companies	80,490	1,856	—	3,372
17	Reserve fund investments	256,339	—	—	9,076
18	Other	23,565	19	—	53
19	Total investments	360,394	1,875	—	12,501
20	Deferred charges and prepaid expenses	261,778	447	63	355
21	Other assets	34,096	585	7	1,262
22	Total assets	6,329,269	80,680	8,312	149,861
	Liabilities:				
23	Long-term debt	3,916,715	41,091	2,400	82,206
	Current liabilities:				
24	Accounts payable and accrued liabilities	148,541	3,448	233	7,023
25	Loans and notes payable	54,932	2,031	800	1,647
26	Other	53,202	247	139	717
27	Total current liabilities	256,675	5,726	1,172	9,387
28	Reserves	599,791	103	1,682	18,885
29	Deferred credits and other liabilities	104,798	1,144	767	2,399
	Capital and surplus:				
30	Share capital	673,533	26,342	785	21,249
31	Surplus — Capital	47,273	1,861	—	3,736
32	Earned	730,484	4,413	1,506	11,999
33	Total capital and surplus	1,451,290	32,616	2,291	36,984
34	Total liabilities	6,329,269	80,680	8,312	149,861

TABLE 14. Assets and Liabilities at End of Year, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
56,897	989,146	1,344,266	133,344	68,500	35,568	359,881	7,396	1
21,819	326,869	600,524	32,370	33,002	144,728	127,691	2,307	2
34,940	328,855	480,547	86,223	32,555	34,920	217,917	562	3
1,918	100,090	98,377	27,253	50,926	1,612	56,652	1,167	4
115,574	1,744,960	2,523,714	279,190	184,983	216,828	762,141	11,432	5
19,716	374,253	320,126	46,862	49,012	39,662	88,014	3,384	6
95,858	1,370,707	2,203,588	232,328	135,971	177,166	674,127	8,048	7
2,099	32,964	25,061	43,306	14,094	5,904	98,329	14,065	8
97,957	1,403,671	2,228,649	275,634	150,065	183,070	772,456	22,113	9
222	21,864	18,874	4,033	322	2,388	2,913	1,638	10
16	12,496	18,374	800	1,137	2,706	11,946	1	11
3,516	24,781	46,147	4,781	7,593	4,146	15,558	1,274	12
1,823	15,497	49,890	2,400	10,333	3,442	12,104	192	13
690	8,187	3,472	885	647	141	367	32	14
6,267	82,825	136,757	12,899	20,032	12,823	42,888	3,137	15
26	40,265	—	5	31,336	3,515	15	100	16
538	1,486	220,922	23,006	—	812	—	499	17
21	10,116	149	2,535	284	171	10,217	—	18
585	51,867	221,071	25,546	31,620	4,498	10,232	599	19
2,597	2,134	231,968	1,945	4,498	737	17,004	30	20
94	14,031	5,504	95	10,640	950	601	327	21
107,500	1,554,528	2,823,949	316,119	216,855	202,078	843,181	26,206	22
92,794	906,837	1,786,233	238,332	157,733	96,559	490,214	22,316	23
4,096	37,041	43,595	5,779	5,578	6,561	34,151	1,036	24
1,040	10,393	4,033	—	317	5,559	29,011	101	25
114	12,650	24,012	4,586	2,644	3,902	3,805	386	26
5,250	60,084	71,640	10,365	8,539	16,022	66,967	1,523	27
2,937	241,572	247,911	51,842	1,002	30,299	2,775	783	28
407	18,250	7,355	4,593	31,555	6,471	31,832	25	29
2,204	247,123	128,456	52	2,005	27,262	217,850	205	30
1,554	7,943	11,146	4,654	10,428	716	4,860	375	31
2,354	72,719	571,208	6,281	5,593	24,749	28,683	979	32
6,112	327,785	710,810	10,987	18,026	52,727	251,393	1,559	33
107,500	1,554,528	2,823,949	316,119	216,855	202,078	843,181	26,206	34

TABLE 14. Assets and Liabilities at End of Year, 1958 — Continued

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	2,256,500	—	—	31,444
2	Transmission	928,624	—	—	7,960
3	Distribution	865,344	—	—	18,100
4	Other property and equipment	231,566	—	—	1,095
5	Total	4,282,034	—	—	58,599
6	Accumulated depreciation	592,867	—	—	1,813
7	Total, less depreciation	3,689,167	—	—	56,786
8	Other fixed assets, less depreciation	108,020	—	—	418
9	Total fixed assets	3,797,187	—	—	57,204
	Current assets:				
10	Cash on hand and in banks	41,709	—	—	274
11	Temporary investments	22,647	—	—	277
12	Accounts receivable (net)	73,782	—	—	1,226
13	Inventories	78,589	—	—	788
14	Other	12,488	—	—	429
15	Total current assets	229,215	—	—	2,994
	Investments:				
16	In associated companies	31,284	—	—	—
17	Reserve fund investments	255,093	—	—	9,003
18	Other	17,224	—	—	47
19	Total investments	303,601	—	—	9,050
20	Deferred charges and prepaid expenses	246,737	—	—	76
21	Other assets	17,972	—	—	30
22	Total assets	4,594,712	—	—	69,354
	Liabilities:				
23	Long-term debt	3,085,370	—	—	43,661
	Current liabilities:				
24	Accounts payable and accrued liabilities	76,794	—	—	2,042
25	Loans and notes payable	26,510	—	—	1,436
26	Other	41,840	—	—	275
27	Total current liabilities	145,144	—	—	3,753
28	Reserves	583,926	—	—	16,348
29	Deferred credits and other liabilities	46,852	—	—	447
	Capital and surplus:				
30	Share capital	122,471	—	—	—
31	Surplus — Capital	30,954	—	—	2,863
32	Earned	579,995	—	—	2,282
33	Total capital and surplus	733,420	—	—	5,145
34	Total liabilities	4,594,712	—	—	69,354

TABLE 14. Assets and Liabilities at End of Year, 1958 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
55,179	509,489	1,311,027	133,344	50,953	18,105	140,404	6,555	1
21,240	194,816	592,395	32,370	31,872	14,153	31,728	2,090	2
30,647	167,250	473,155	85,894	30,569	25,895	33,834	—	3
1,707	55,768	87,826	27,149	50,054	902	5,995	1,070	4
108,773	927,323	2,464,403	278,757	163,448	59,055	211,961	9,715	5
17,791	147,518	303,731	46,679	35,762	18,078	18,528	2,967	6
90,982	779,805	2,160,672	232,078	127,686	40,977	193,433	6,748	7
1,895	13,361	14,257	43,306	13,644	3,861	3,213	14,065	8
92,877	793,166	2,174,929	275,384	141,330	44,838	196,646	20,813	9
121	16,110	18,370	4,029	75	707	458	1,565	10
16	2,708	18,062	800	695	—	89	—	11
3,150	9,063	43,758	4,738	7,435	1,154	2,238	1,020	12
1,726	9,576	49,529	2,400	9,975	1,504	2,914	177	13
690	6,236	3,469	885	646	133	—	—	14
5,703	43,693	133,188	12,852	18,826	3,498	5,699	2,762	15
—	4	—	—	31,280	—	—	—	16
538	387	220,848	23,006	—	812	—	499	17
21	5,298	—	2,534	284	24	9,016	—	18
559	5,689	220,848	25,540	31,564	836	9,016	499	19
2,572	568	231,052	1,945	4,456	28	6,027	13	20
94	3,426	3,363	95	10,639	—	—	325	21
101,805	846,542	2,763,380	315,816	206,815	49,200	217,388	24,412	22
91,744	572,972	1,760,858	238,332	154,777	22,132	178,907	21,987	23
3,673	13,214	42,132	5,753	5,208	960	2,885	927	24
390	2,399	1,073	—	317	347	20,548	—	25
107	8,258	23,412	4,397	1,395	521	3,124	351	26
4,170	23,871	66,617	10,150	6,920	1,828	26,557	1,278	27
2,825	238,530	247,896	51,842	890	22,910	1,902	783	28
351	619	6,414	4,536	31,387	1,424	1,674	—	29
—	4,390	117,342	21	439	1	278	—	30
1,543	5,887	1,284	4,654	10,423	15	4,285	—	31
1,172	273	562,969	6,281	1,979	890	3,785	364	32
2,715	10,550	681,595	10,956	12,841	906	8,348	364	33
101,805	846,542	2,763,380	315,816	206,815	49,200	217,388	24,412	34

TABLE 14 Assets and Liabilities at End of Year, 1958 — Concluded

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	861,305	57,211	3,210	30,942
2	Transmission	387,704	5,053	520	13,485
3	Distribution	407,535	13,742	1,221	23,297
4	Other property and equipment	138,167	8,283	2,556	19,804
5	Total	1,794,711	84,289	7,507	87,528
6	Accumulated depreciation	380,860	9,765	—	21,120
7	Total, less depreciation	1,413,851	74,524	7,507	66,408
8	Other fixed assets, less depreciation	131,809	—	25	3,564
9	Total fixed assets	1,545,660	74,524	7,532	69,972
	Current assets:				
10	Cash on hand and in banks	12,284	666	198	601
11	Temporary investments	26,965	400	17	1,442
12	Accounts receivable (net)	38,361	1,026	308	1,787
13	Inventories	20,862	1,106	185	1,691
14	Other	2,467	51	2	52
15	Total current assets	100,939	3,249	710	5,573
	Investments:				
16	In associated companies	49,206	1,856	—	3,372
17	Reserve fund investments	1,246	—	—	73
18	Other	6,341	19	—	6
19	Total investments	56,793	1,875	—	3,451
20	Deferred charges and prepaid expenses	15,041	447	63	279
21	Other assets	16,124	585	7	1,232
22	Total assets	1,734,557	80,680	8,312	80,507
	Liabilities:				
23	Long-term debt	831,345	41,091	2,400	38,545
	Current Liabilities:				
24	Accounts payable and accrued liabilities	71,747	3,448	233	4,981
25	Loans and notes payable	28,422	2,031	800	211
26	Other	11,362	247	139	442
27	Total current liabilities	111,531	5,726	1,172	5,634
28	Reserves	15,865	103	1,682	2,537
29	Deferred credits and other liabilities	57,946	1,144	767	1,952
	Capital and surplus:				
30	Share capital	551,062	26,342	785	21,249
31	Surplus — Capital	16,319	1,861	—	873
32	Earned	150,489	4,413	1,506	9,717
33	Total capital and surplus	717,870	32,616	2,291	31,839
34	Total liabilities	1,734,557	80,680	8,312	80,507

TABLE 14. Assets and Liabilities at End of Year, 1958 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
1,718	479,657	33,239	—	17,547	17,463	219,477	841	1
579	132,053	8,129	—	1,130	130,575	95,963	217	2
4,293	161,605	7,392	329	1,986	9,025	184,083	562	3
211	44,322	10,551	104	872	710	50,657	97	4
6,801	817,637	59,311	433	21,535	157,773	550,180	1,717	5
1,925	226,735	16,395	183	13,250	21,584	69,486	417	6
4,876	590,902	42,916	250	8,285	136,189	480,694	1,300	7
204	19,603	10,804	—	450	2,043	95,116	—	8
5,080	610,505	53,720	250	8,735	138,232	575,810	1,300	9
101	5,754	504	4	247	1,681	2,455	73	10
—	9,788	312	—	442	2,706	11,857	1	11
366	15,718	2,389	43	158	2,992	13,320	254	12
97	5,921	361	—	358	1,938	9,190	15	13
—	1,951	3	—	1	8	367	32	14
564	39,132	3,569	47	1,206	9,325	37,189	375	15
26	40,261	—	5	56	3,515	15	100	16
—	1,099	74	—	—	—	—	—	17
—	4,818	149	1	—	147	1,201	—	18
26	46,178	223	6	56	3,662	1,216	100	19
25	1,566	916	—	42	709	10,977	17	20
—	10,605	2,141	—	1	950	601	2	21
5,695	707,986	60,569	303	10,040	152,878	625,793	1,794	22
1,050	333,865	25,375	—	2,956	74,427	311,307	329	23
423	23,827	1,463	26	370	5,601	31,266	109	24
650	7,994	2,960	—	—	5,212	8,463	101	25
7	4,392	600	189	1,249	3,381	681	35	26
1,080	36,213	5,023	215	1,619	14,194	40,410	245	27
112	3,042	15	—	112	7,389	873	—	28
56	17,631	941	57	168	5,047	30,158	25	29
2,204	242,733	11,114	31	1,566	27,261	217,572	205	30
11	2,056	9,862	—	5	701	575	375	31
1,182	72,446	8,239	—	3,614	23,859	24,898	615	32
3,397	317,235	29,215	31	5,185	51,821	243,045	1,195	33
5,695	707,986	60,569	303	10,040	152,878	625,793	1,794	34

TABLE 15. Income Account, 1958

No.		Canada	Newfoundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Operating revenue:				
1	Sale of electricity ¹	874,483	9,349	1,858	29,875
2	Other	42,244	143	4	229
3	Total operating revenue	916,727	9,492	1,862	30,104
	Operating expense:				
4	Operation, maintenance and administration	287,267	2,257	945	13,455
5	Power purchased	184,229	513	20	4,752
6	Depreciation	114,453	1,860	305	3,453
7	Total operating expense	585,949	4,630	1,270	21,660
8	Operating income	330,778	4,862	592	8,444
9	Other income	14,842	72	1	632
10	Total income	345,620	4,934	593	9,076
	Income deductions:				
11	Interest on long-term debt	145,926	1,397	119	3,447
12	Income tax	41,846	1,418	204	2,058
13	Other deductions	42,745	127	—	676
14	Total income deductions	230,517	2,942	323	6,181
15	Net income	115,103	1,992	270	2,895
	Publicly-operated:				
	Operating revenue:				
16	Sale of electricity ¹	593,055	—	—	9,234
17	Other	8,269	—	—	53
18	Total operating revenue	601,324	—	—	9,287
	Operating expense:				
19	Operation, maintenance and administration	170,773	—	—	3,371
20	Power purchased	145,281	—	—	2,683
21	Depreciation	73,044	—	—	668
22	Total operating expense	389,098	—	—	6,722
23	Operating income	212,226	—	—	2,565
24	Other income	3,649	—	—	19
25	Total income	215,875	—	—	2,584
	Income deductions:				
26	Interest on long-term debt	112,923	—	—	1,831
27	Income tax	3,598	—	—	7
28	Other deductions	39,575	—	—	510
29	Total income deductions	156,096	—	—	2,348
30	Net income	59,779	—	—	236
	Privately-operated:				
	Operating revenue:				
31	Sale of electricity ¹	281,428	9,349	1,858	20,641
32	Other	33,975	143	4	176
33	Total operating revenue	315,403	9,492	1,862	20,817
	Operating expense:				
34	Operation, maintenance and administration	116,494	2,257	945	10,084
35	Power purchased	38,948	513	20	2,069
36	Depreciation	41,409	1,860	305	2,785
37	Total operating expense	196,851	4,630	1,270	14,938
38	Operating income	118,552	4,862	592	5,879
39	Other income	11,193	72	1	613
40	Total income	129,745	4,934	593	6,492
	Income deductions:				
41	Interest on long-term debt	33,003	1,397	119	1,616
42	Income tax	38,248	1,418	204	2,051
43	Other deductions	3,170	127	—	166
44	Total income deductions	74,421	2,942	323	3,833
45	Net income	55,324	1,992	270	2,659

¹ This table is a composite summation of all the reports received. Revenue from the sale of electricity, therefore, includes duplications arising from inter-utility sales and is larger than the revenue shown in Table 7.

TABLE 15. Income Account, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
20,660	232,363	380,058	39,996	28,462	50,912	78,359	2,591	1
109	5,694	1,869	2,728	81	1,189	30,152	46	2
20,769	238,057	381,927	42,724	28,543	52,101	108,511	2,637	3
8,230	69,137	101,456	16,049	11,983	15,417	47,501	837	4
4,235	34,406	117,356	9,240	2,294	8,487	2,470	456	5
3,039	31,365	38,043	7,711	5,613	5,242	17,773	49	6
15,504	134,908	256,855	33,000	19,890	29,146	67,744	1,342	7
5,265	103,149	125,072	9,724	8,653	22,955	40,767	1,295	8
5	6,895	-11	1,021	1,159	508	4,556	4	9
5,270	110,044	125,061	10,745	9,812	23,463	45,323	1,299	10
3,923	31,423	68,712	7,782	4,724	4,012	20,145	242	11
220	22,799	1,714	—	419	4,828	8,068	118	12
46	4,555	32,973	522	517	1,443	1,429	457	13
4,189	58,777	103,399	8,304	5,660	10,283	29,642	817	14
1,081	51,267	21,662	2,441	4,152	13,180	15,681	482	15
17,197	89,086	367,207	39,497	25,345	24,106	19,937	1,446	16
93	3,157	1,790	2,727	31	293	89	36	17
17,290	92,243	368,997	42,224	25,376	24,399	20,026	1,482	18
7,384	21,553	98,441	16,005	10,319	6,725	6,504	471	19
2,369	5,668	114,280	8,800	2,254	7,994	1,188	45	20
2,859	14,653	36,710	7,695	5,131	1,122	4,206	—	21
12,612	41,874	249,431	32,500	17,704	15,841	11,898	516	22
4,678	50,369	119,566	9,724	7,672	8,558	8,128	966	23
2	1,054	3	1,021	1,123	154	273	—	24
4,680	51,423	119,569	10,745	8,795	8,712	8,401	966	25
3,879	19,469	67,603	7,782	4,579	1,025	6,524	231	26
—	3,547	—	—	44	—	—	—	27
12	3,213	32,403	522	517	1,108	834	456	28
3,891	26,229	100,006	8,304	5,140	2,133	7,358	687	29
789	25,194	19,563	2,441	3,655	6,579	1,043	279	30
3,463	143,277	12,851	499	3,117	26,806	58,422	1,145	31
16	2,537	79	1	50	896	30,063	10	32
3,479	145,814	12,930	500	3,167	27,702	88,485	1,155	33
846	47,584	3,015	44	1,664	8,692	40,997	366	34
1,866	28,738	3,076	440	40	493	1,282	411	35
180	16,712	1,333	16	482	4,120	13,567	49	36
2,892	93,034	7,424	500	2,186	13,305	55,846	826	37
587	52,780	5,506	—	981	14,397	32,639	329	38
3	5,841	-14	—	36	354	4,283	4	39
590	58,621	5,492	—	1,017	14,751	36,922	333	40
44	11,954	1,109	—	145	2,987	13,621	11	41
220	19,252	1,714	—	375	4,828	8,068	118	42
34	1,342	570	—	—	335	595	1	43
298	32,548	3,393	—	520	8,150	22,284	130	44
292	26,073	2,099	—	497	6,601	14,638	203	45

TABLE 16. Taxes, 1938

	Canada	New- foundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
thousands of dollars						
Electric utilities—Publicly and privately-operated:						
Municipal	15,097	55	45	1,228	154	4,784
Provincial.....	12,319	17	1	3	30	10,259
Federal	33,700	1,420	204	2,006	279	15,207
Total taxes	61,116	1,492	250	3,237	463	30,250
Per cent of total for Canada	100.00	2.44	0.41	5.30	0.76	49.50
Publicly-operated:						
Municipal	6,893	—	—	119	16	761
Provincial.....	3,080	—	—	—	2	2,802
Federal	1,196	—	—	—	5	139
Total taxes.....	11,169	—	—	119	23	3,702
Per cent of total for Canada	100.00	—	—	1.06	0.21	33.14
Privately-operated:						
Municipal	8,204	55	45	1,109	138	4,023
Provincial.....	9,239	17	1	3	28	7,457
Federal	32,504	1,420	204	2,006	274	15,068
Total taxes.....	49,947	1,492	250	3,118	440	26,548
Per cent of total for Canada	100.00	2.99	0.50	6.24	0.88	53.15
	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.
thousands of dollars						
Electric utilities—Publicly and privately-operated:						
Municipal	4,130	907	332	1,315	2,144	3
Provincial.....	402	—	4	13	1,589	1
Federal	1,598	—	375	3,898	8,595	118
Total taxes.....	6,130	907	711	5,226	12,328	122
Per cent of total for Canada	10.03	1.48	1.16	8.55	20.17	0.20
Publicly-operated:						
Municipal	3,535	907	260	1,042	253	—
Provincial.....	268	—	—	—	8	—
Federal	1,052	—	—	—	—	—
Total taxes.....	4,855	907	260	1,042	261	—
Per cent of total for Canada	43.47	8.12	2.33	9.33	2.34	—
Privately-operated:						
Municipal	595	—	72	273	1,891	3
Provincial.....	134	—	4	13	1,581	1
Federal	546	—	375	3,898	8,595	118
Total taxes.....	1,275	—	451	4,184	12,067	122
Per cent of total for Canada	2.55	—	0.90	8.38	24.16	0.25

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CANADA

ELECTRIC POWER STATISTICS

1959



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Public Finance and Transportation Division
Public Utilities Section

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Annual		
57-201	Electric and Gas Meter Registrations. Approx. 200 pp. Meter registrations by province, county or census division, company and place served, by type of service	\$2.00
57-202	Electric Power Statistics. Approx. 48 pp. Summary and detailed analyses of generation and use of electric power in Canada, power plant equipment, customers, employees, salaries and wages and financial statistics75
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57-501	Inventory of Prime Mover and Generating Equipment. Approx. 96 pp. A list of the large generating plants in Canada by ownership, showing the location, year of installation, name-plate rating and other details of each large unit, as at December 31, 1958	1.00

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

* revised.

ELECTRIC POWER STATISTICS

1959

Statistics presented in this report fall into two main categories: statistics based on the combined reports of electric utilities and industrial establishments, and statistics based on data received from utilities only. Utilities are defined as companies, commissions, municipalities or individuals whose primary function is to sell most of the electric energy which they have either generated or purchased. They are referred to as the electric utility industry. Industrial establishments are defined, for the purpose of this report, as companies or individuals which generate electricity mainly for their own use. Statistics based on the combined reports of both utilities and industrial establishments include generating capacity, production and disposal of electric energy, revenue received from the sale of electricity, and customers. Statistics applicable only to the electric utility industry include pole line and circuit mileage, transformers, fuel consumption, employees, wages and salaries and other financial data.

The current series of electric power statistics dates back only to 1956. Earlier reports entitled "Central Electric Stations" were concerned solely with the electric utility industry and hence excluded statistics relating to power produced by industrial establishments for own use. Data relating to power sold by industrial establishments was, however, included.

In the revised series, all firms are classed as either utilities or industrial establishments and separate statistics are compiled for each group. Energy disposed of by industrial establishments is then combined with that disposed of by utilities in order to present statistics roughly comparable with those compiled for the electric utility industry in earlier years. One major difference is that many blocks of energy formerly classed as sales are now treated as produced for own use, since the transfer of energy was found to be between plants within the same organization.

In 1956, because of the difficulty of separating line losses of industrial producers into losses relating to sales and losses relating to energy produced for own use, total industrial losses were presented under "Disposal of Energy" in Table 5. Commencing with 1957, losses associated with energy generated for own use are shown as a separate item under "Energy Made Available", Table 4.

A comprehensive census of generating equipment conducted in December 1958 has resulted in refinements to the installed generating capacity series presented in this report. Where possible, revisions have been made in 1957 figures to make them consistent with those compiled for 1958.

Total installed generating capacity in Canada at the end of 1959 amounted to 21,108,920 kilowatts, 13.1 per cent more than the revised total of

18,669,418 kilowatts in 1958. Utilities accounted for 16,937,290 kilowatts compared with 14,868,574 kilowatts in 1958, while industry had a capacity of 4,171,630 kilowatts and 3,800,844 kilowatts in 1959 and 1958, respectively. Hydraulic installations accounted for 83.1 per cent of the total and thermal plants, 16.9 per cent.

Quebec had the largest generating capacity at 8,228,234 kilowatts or 39 per cent of the national total, followed by Ontario with 32 per cent and British Columbia with 13 per cent. The largest increase in generating capacity was in Quebec where the increase amounted to 1,170,270 kilowatts. Ontario increased its capacity by 828,826 kilowatts, British Columbia by 190,372, Saskatchewan by 143,306, Nova Scotia by 79,250 and Alberta by 30,552 kilowatts.

The largest thermal generating capacities were in Ontario with 31 per cent, Saskatchewan with 16 per cent, Alberta with 15 per cent, British Columbia with 11 per cent and Nova Scotia with 10 per cent.

The major increases in generating capacity in Quebec were: 3 units with a capacity of 445,500 kilowatts at Chute des PASSES, the initial installation of 3 units with a total capacity of 363,000 kilowatts (ultimately 5 units) at Bersimis II, 275,000 kilowatts completing the Beauharnois project, and 81,000 kilowatts added to the St. Lawrence River Beaumont Development.

In Ontario the major projects were the addition of 513,000 kilowatts at the Robert H. Saunders generating plant at Cornwall, 45,500 kilowatts at Silver Falls hydro electric development and 41,225 at the Abitibi Canyon hydro electric project.

In British Columbia 124,000 kilowatts were added at the Bridge River hydro electric plant and 25,200 at the Ash River hydro electric development on Vancouver Island. One hundred thousand kilowatts were added at the Port Mann Gas Turbine plant near Greater Vancouver.

In Saskatchewan 66,000 kilowatts were added to the Queen Elizabeth Steam Turbine plant at Saskatoon and 66,000 kilowatts at the Boundary Dam thermal generating Station.

In Nova Scotia 45,000 kilowatts were added at the Halifax Steam Plant.

Net generation (total generation less energy used in station service) increased 7.3 per cent in 1959 to 104,613,564 thousand kilowatt hours from 97,484,289 thousand kilowatt hours one year earlier. Generation by electric utilities increased 9.3 per cent to 83,048,885 thousand kilowatt hours from 75,953,132 thousand but accounted for 79.4 per cent of total production compared with 77.9 per cent in 1958. Generation by industry went up to 21,564,679 thousand kilowatt hours from 21,531,157 thousand a

year earlier. The industry's share of net generation decreased to 20.6 per cent in 1959 from 22.1 per cent in 1958. Generation from hydraulic facilities amounted to 92.5 per cent while thermal was 7.5 per cent. Although Quebec had 39 per cent of the total generating capacity in Canada, it accounted for 43 per cent of the total generation, followed by Ontario with 32 per cent and British Columbia with 12 per cent.

The amount of electric energy made available for use in Canada increased 7.4 per cent or slightly more than the net generation increase. This was caused by an increase in imports to 512,002 thousand kilowatt hours and a rise in exports to 4,580,619 thousand kilowatt hours. As a result, net exports increased 239,166 thousand kilowatt hours.

Of the total reported available for use in Canada in 1959, some 19,660,152,000 kilowatt-hours, including 649,897,000 estimated as losses, represented generation by industrial establishments for own use. This compares with 20,048,733,000^r kilowatt-hours in 1958 and reflects a decrease of 388,581,000 kilowatt-hours or 1.9 per cent.

Total sales of electricity to ultimate customers increased 10.0 per cent in 1959 to 71,888,110,000 kilowatt-hours from the 1958 total of 65,323,721,000. Power customers purchased 44,219,794,000 kilowatt-hours or 61.5 per cent of the total (61.6 per cent in 1958); domestic and farm customers, 19,007,111,000 or 26.4 per cent (26.5 in 1958); and commercial customers, 8,058,275,000 or 11.2 per cent (11.1). Street lighting accounted for the remaining 602,930,000 kilowatt-hours of electricity sold. In addition, some 8,991,491,000 kilowatt-hours of energy available for disposal were reported lost or unaccounted for. This compares with 8,282,384,000 kilowatt-hours in 1958.

A 4.3 per cent rise in ultimate customers brought the total to 5,018,725 from 4,809,634 in 1958. Domestic and farm customers increased 4.6 per cent to 4,381,564 from 4,188,946, while the number of commercial customers showed a moderate rise to 528,579 from 516,018. Power customers rose 3.7 per cent in 1959 to 103,507 from 99,818. The percentage of increase in ultimate customers was highest in The Yukon-Northwest Territories and lowest in New Brunswick.

Revenue received from sales to ultimate customers totalled \$755,772,000, up 9.3 per cent from the 1958 total of \$691,703,000. Domestic and farm customers produced revenues of \$305,662,000 versus \$278,531,000; commercial customers, \$141,518,000 versus \$131,844,000; power customers, \$293,787,000 versus \$268,121,000 and street lighting customers, \$14,805,000 versus \$13,207,000. Revenue obtained from export sales amounted to \$13,895,000 compared with \$13,379,000 in 1958.

There was no change in the average domestic and farm service revenue per kilowatt-hour, which remained at 1.61 cents. The heavier costs of thermal

generation, especially in Prince Edward Island and in The Yukon-Northwest Territories are reflected in the higher revenues per kilowatt-hour received in those provinces. Manitoba earned the lowest revenue per kilowatt-hour sold.

The average annual bill for domestic and farm customers rose 4.9 per cent in 1959 to \$69.76 from \$66.49 in 1958. The increase was due to a rise in average consumption of 5.1 per cent to 4,338 kilowatt-hours from 4,128. Averages varied widely from province to province, the low of 1,617 kilowatt-hours being recorded in Prince Edward Island and the high of 5,993 kilowatt-hours being registered in Manitoba. While many utilities do not distinguish between farm and domestic customers in their records, those that have reported farm service separately show an average rise of 10.9 per cent to 4,086 kilowatt-hours from 3,686 in consumption and an increase in the average annual bill to \$93.05 from \$86.46.

Electric utilities reported an expenditure of \$19,285,057 on fuel for thermal electric plants in 1959, a decrease of 1.9 per cent from the \$19,655,433 reported one year earlier. The amount spent on oil increased 19.1 per cent to \$5,240,215 from \$4,399,212 and on natural gas 7.3 per cent to \$4,957,671 from \$4,618,487. At the same time, expenditures for coal declined 14.6 per cent to \$9,087,171 from \$10,637,734.

Coal accounted for only 35.8 per cent of total thermal generation in 1959 against 46.2 per cent in 1958, while natural gas was responsible for 50.2 per cent compared with 40.2 per cent one year earlier. Consumption of natural gas in thermal plants increased by about one third in Saskatchewan and Alberta and was reported for the first time in Ontario, where it was used to generate 6,196 thousand kilowatt-hours. Production based on petroleum fuels gained slightly, accounting for 13.9 per cent of the total, compared with 13.6 per cent in 1958.

Wages and salaries paid by the electric utility industry amounted to \$182,789,000 in 1959, a rise of 7.4 per cent over the \$170,211,000 reported in 1958. Publicly-operated utilities reported wages and salaries totalling \$133,505,000 in 1959, up 9.2 per cent from the \$122,208,000 in 1958 while privately-operated utilities paid \$49,284,000 as against \$48,003,000 an increase of 2.7 per cent. Employees, excluding construction workers, increased in number to 39,440 from 39,394 a total of 28,685 being employed by publicly-operated utilities versus 28,149 in 1958; and 10,755 by privately-operated utilities versus 11,245 one year earlier.

Total assets of the electric utility industry stood at \$6,809,757,000 at the end of 1959 compared with \$6,329,269,000 one year earlier, a rise of \$480,488,000 or 7.6 per cent. Fixed assets, after depreciation, amounted to \$5,748,597,000 as against \$5,373,827,000.^r While most of the increase was reflected in a rise in long term debt to \$4,213,792,000

^r Revised.

Operating revenues of electric utilities were 10.4 per cent higher in 1959 rising to \$1,012,191,000 from the 1958 total of \$916,727,000. Since operating expenses rose only 11.2 per cent to \$651,593,000 from \$585,949,000, operating income increased 8.9 per cent to a new high of \$360,597,000. Net income, after income tax, recorded a 1.9 per cent increase to \$117,243,000 from \$115,103,000.

Federal, provincial and municipal taxes paid by electric utilities in 1959 amounted to \$71,107,000 a rise of 16.3 per cent over the \$61,116,000 paid in 1958. Federal taxes increased to \$41,525,000 from \$33,700,000, provincial taxes to \$12,673,000 from \$12,319,000 and municipal taxes to \$16,909,000 from \$15,097,000.

The following table provides an industry analysis of electric energy consumption based in part on data collected by the Industry and Merchandising Division of the Dominion Bureau of Statistics. Since Industry and Merchandising reports are concerned primarily with consumers rather than producers of electric energy and are completed on the basis of different concepts and for different reporting periods, considerable difficulty is encountered in reconciling the two sets of data. For example, energy transferred between two establishments within the same organization may be reported under purchases in Industry and Merchandising reports but as produced for own use in Electric Power Statistics reports. Also, Industry and Merchandising reports do not cover all industrial use of electric energy with the result that consumption for "Other Industries" can be obtained only by subtracting known industrial purchases from power sales as reported by the electric power industry.

	1958		
	Electric power purchased	Power generated by industries for own use	Total consumption
	thousands of kilowatt-hours		
Manufacturing:			
Pulp and paper	13,870,200	4,417,401 ^r	18,287,601 ^r
Primary iron and steel	1,716,473	101,741	1,818,214
Artificial abrasives and abrasive products	902,249	—	902,249
Chemicals, industrial (acids, alkalis and salts)	3,489,667	299,842 ²	3,789,509
Metal, smelting and refining	3,656,788	12,462,897 ³	16,119,685
Other manufacturing	9,210,488 ⁴	1,763,181 ⁵	10,973,669
Total manufacturing	32,845,865⁴	19,045,062	51,890,927
Mining	5,334,125	627,183 ⁶	5,961,308
Other industries (including municipal services)	2,073,065	—	2,073,065
Total all industry	40,253,055	19,672,245	59,925,300
Domestic service	17,290,984	...	17,290,984
Commercial lighting	7,224,949	...	7,224,949
Street lighting	554,733	...	554,733
Exports to the United States	4,074,513	...	4,074,513
Losses and unaccounted for	8,282,384	513,726	8,796,110
Grand total, distribution and consumption	77,680,618	20,185,971	97,866,589

¹ Includes imports from the United States.

² Includes 189,224 thousand kwh. shown as purchased in reports of manufacturing industries.

³ Includes 11,424,442

⁴ Includes an estimated amount of 363,542 thousand kwh. purchased by manufacturing plants but not included in data collected by the Industry and Merchandising Division.

⁵ Includes 1,135,152 thousand kwh. shown as purchased in reports of manufacturing industries.

⁶ Includes 116,230

TABLE 1. Comparative Summary, 1956-59

No.			Canada			
			1959	1958 ^r	1957 ^r	1956 ^r
	Installed generating capacity (Table 2):					
1	Hydro	kw.	17,535,776	15,687,198	14,112,829	13,070,029
2	Thermal	"	3,573,144	2,982,220	2,615,410	2,426,126
3	Total installed generating capacity	"	21,108,920	18,669,418	16,728,239	15,496,153
	Energy made available (Tables 3 and 4):					
4	Generated—Hydro	'000 kwh.	97,039,830	90,509,200	83,373,220	81,839,968
5	Thermal	"	7,573,734	6,975,089	7,686,771	6,543,333
6	Total generation	"	104,613,564	97,484,289	91,059,991	88,383,301
7	Imported from other Provinces .....	"	...	...	...	...
8	Imported from United States	"	512,002	245,062	569,260	239,173
9	Exported to other Provinces .....	"	...	...	...	...
10	Exported to United States	"	4,580,619	4,074,513	4,829,843	5,103,669
11	Total made available in Canada	"	100,544,947	93,654,838	86,799,408	83,518,805
	Generated for use in own plant:					
12	Excluding consumption in electric boilers....	"	17,158,300	19,535,007	17,875,164	18,903,282
13	Consumed in electric boilers	"	1,851,955			
14	Losses	"	655,091	513,726	498,949	
15	Total generated for own use	"	19,665,346	20,048,733	18,374,113	18,903,282
16	Total available for disposal in Canada	"	80,879,601	73,606,105	68,425,295	64,615,523
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
17	Domestic and farm	"	19,007,111	17,290,984	15,857,618	14,338,789
18	Commercial	"	8,058,275	7,224,949	6,112,574	5,323,363
19	Power—Excluding deliveries to electric boilers	"	39,698,251	35,838,523	35,963,723	35,274,638
20	Deliveries to electric boilers	"	4,521,543	4,414,532	2,098,166	972,429
21	Street lighting	"	602,930	554,733	511,439	473,726
22	Total sold to ultimate customers	"	71,888,110	65,323,721	60,543,520	56,382,945
23	Losses and unaccounted for	"	8,991,491	8,282,384	7,881,775	8,232,578
24	Total disposed of in Canada	"	80,879,601	73,606,105	68,425,295	64,615,523
	Customers (Table 6):					
	Ultimate customers in Canada:					
25	Domestic and farm	No.	4,381,564	4,188,946	4,004,200	3,834,964
26	Commercial	"	528,579	516,018	506,509	491,174
27	Power	"	103,507	99,818	95,720	97,006
28	Street lighting	"	5,070	4,852	4,749	4,538
29	Total ultimate customers	"	5,018,720	4,809,634	4,611,178	4,427,682
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
30	Domestic and farm	\$'000	305,662	278,531	257,038	235,497
31	Commercial	"	141,518	131,844	119,501	107,487
32	Power—Excluding deliveries to electric boilers	"	286,675	262,794	248,016	236,039
33	Deliveries to electric boilers	"	7,112	5,327	3,537	1,779
34	Street lighting	"	14,805	13,207	11,906	11,244
35	Total revenue from ultimate customers	"	755,772	691,703	639,998	592,046
	Employees, salaries and wages (Table 13):					
36	Total employees (excluding construction)	No.	39,440	39,394	37,817	36,118
37	Total wages and salaries (excluding construc- tion)	\$'000	182,789	170,211	153,952	137,967

TABLE 1. Comparative Summary, 1956-59

Newfoundland				Prince Edward Island				No.
1959	1958 ^r	1957 ^r	1956	1959	1958	1957	1956	
244,830	245,530	218,670	206,120	155	155	140	140	1
29,427	34,196	29,433	28,549	25,486	25,486	25,384	26,223	2
274,257	279,726	248,103	234,669	25,641	25,641	25,524	26,363	3
1,370,826	1,340,843	1,313,396	1,360,745	340	537	370	441	4
77,812	70,329	62,313	35,301	70,802	62,497	56,618	51,362	5
1,448,638	1,411,172	1,375,709	1,396,046	71,142	63,034	56,988	51,803	6
—	—	8,504	—	—	—	—	—	7
—	—	—	—	—	—	—	—	8
41,293	36,974	44,620	31,496	—	—	—	—	9
—	—	—	—	—	—	—	—	10
1,407,345	1,374,198	1,339,593	1,364,550	71,142	63,034	56,988	51,803	11
322,462	357,134	334,909	335,506	—	104	98	106	12
27,597		4,457		—		9		13
9,836		—		—		—		14
359,895	364,873	339,366	335,506	—	104	107	106	15
1,047,450	1,009,325	1,000,227	1,029,044	71,142	62,930	56,881	51,697	16
160,820	138,766	132,678	121,714	27,033	23,103	20,560	18,957	17
41,809	37,969	35,511	32,642	19,894	19,507	18,088	15,861	18
652,209	473,319	643,156	766,414	11,942	8,721	7,872	8,064	19
84,878	251,935	78,603	—	—	—	—	—	20
4,429	4,112	4,073	3,883	1,238	1,017	995	803	21
944,145	906,101	894,021	924,653	60,107	52,348	47,515	43,685	22
103,305	103,224	106,206	104,391	11,035	10,582	9,366	8,012	23
1,047,450	1,009,325	1,000,227	1,029,044	71,142	62,930	56,881	51,697	24
55,571	53,614	51,187	48,906	16,721	16,059	15,044	14,062	25
5,795	5,363	5,160	5,147	4,088	2,866	2,725	2,729	26
645	651	669	652	263	237	233	81	27
22	19	18	18	18	18	12	20	28
62,033	59,647	57,034	54,723	21,090	19,180	18,014	16,892	29
3,602	3,424	3,194	2,944	1,288	1,154	1,047	921	30
1,405	1,200	1,115	1,019	752	754	766	609	31
4,521	4,615	4,347	4,416	262	198	180	233	32
153	3	138	—	—	—	—	—	33
133	120	114	107	60	52	52	38	34
9,814	9,362	8,908	8,486	2,362	2,158	2,045	1,801	35
591	586	596	607	177	201	197	189	36
1,883	1,749	1,766	1,644	563	569	498	507	37

TABLE 1. Comparative Summary, 1936-39 — Continued

		Nova Scotia				
No.		1959	1958	1957	1956	
	Installed generating capacity (Table 2):					
1	Hydro	kw.	127,930	127,930	129,637	125,534
2	Thermal	"	370,585	291,335	297,976	257,330
3	Total installed generating capacity	"	498,515	419,265	427,613	382,864
	Energy made available (Tables 3 and 4):					
4	Generated—Hydro	'000 kwh.	679,450	645,600	526,493	592,361
5	Thermal	"	970,592	917,142	1,007,344	888,867
6	Total generation	"	1,650,042	1,562,742	1,533,837	1,481,228
7	Imported from other Provinces	"	—	—	—	—
8	Imported from United States	"	—	—	—	—
9	Exported to other Provinces	"	13,984	9,949	8,858	8,234
10	Exported to United States	"	—	—	—	—
11	Total made available in Canada	"	1,636,058	1,552,793	1,524,979	1,472,994
	Generated for use in own plant:					
12	Excluding consumption in electric boilers....	"	158,249	159,716	182,673	172,545
13	Consumed in electric boilers	"	—		—	
14	Losses	"	—	270	421	—
15	Total generated for own use	"	158,249	159,986	183,094	172,545
16	Total available for disposal in Canada	"	1,477,809	1,392,807	1,341,885	1,300,449
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
17	Domestic and farm	"	434,396	385,465	356,000	319,243
18	Commercial	"	131,068	126,006	121,300	109,906
19	Power—Excluding deliveries to electric boilers	"	749,453	720,734	683,283	704,389
20	Deliveries to electric boilers	"	—	—	—	50
21	Street lighting	"	12,715	12,111	10,046	10,322
22	Total sold to ultimate customers	"	1,327,632	1,244,316	1,170,629	1,143,910
23	Losses and unaccounted for	"	150,177	148,491	171,256	156,539
24	Total disposed of in Canada	"	1,477,809	1,392,807	1,341,885	1,300,449
	Customers (Table 6):					
	Ultimate customers in Canada:					
25	Domestic and farm	No.	166,393	163,481	158,065	154,231
26	Commercial	"	20,340	19,887	20,626	20,535
27	Power	"	7,251	6,453	5,889	5,595
28	Street lighting	"	177	147	131	115
29	Total ultimate customers	"	194,161	189,968	184,711	180,476
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
30	Domestic and farm	\$'000	11,621	10,351	9,173	8,680
31	Commercial	"	4,630	4,443	4,332	4,187
32	Power—Excluding deliveries to electric boilers	"	8,907	9,663	9,200	8,956
33	Deliveries to electric boilers	"	—	—	—	1
34	Street lighting	"	543	496	421	409
35	Total revenue from ultimate customers	"	25,701	24,953	23,126	22,233
	Employees, salaries and wages (Table 13):					
36	Total employees (excluding construction)	No.	1,583	1,542	1,590	1,542
37	Total wages and salaries (excluding construction)	\$'000	5,940	5,445	5,069	4,521

TABLE 1. Comparative Summary, 1956-59 — Continued

New Brunswick				Quebec				No.
1959	1958	1957	1956	1959	1958 ^r	1957 ^r	1956 ^r	
188,506	188,906	209,410	116,589	8,138,181	6,980,515	6,276,684	5,914,903	1
200,731	200,431	187,181	184,426	90,053	77,449	70,909	67,711	2
389,237	389,337	396,591	301,015	8,228,234	7,057,964	6,347,593	5,982,614	3
1,115,835	1,023,020	706,464	522,938	44,621,143	43,418,062	37,905,814	37,539,040	4
697,400	589,662	698,297	839,815	232,783	217,506	225,613	221,549	5
1,813,235	1,612,682	1,404,761	1,362,753	44,853,926	43,635,568	38,131,427	37,760,589	6
27,986	25,851	23,156	21,621	57,436	51,318	66,400	57,306	7
151	591	4,525	11,451	852	833	710	306	8
11	—	—	—	5,692,703	6,006,889	4,943,580	5,232,799	9
158,621	142,789	48,649	25,014	555,358	526,336	549,040	48,008	10
1,682,740	1,496,335	1,383,793	1,370,811	38,664,153	37,154,494	32,705,917	32,537,394	11
422,298	380,880	385,782	440,357	8,043,417	10,165,536	8,532,007	10,031,707	12
2,047		1,450		1,526,840		258,501		13
14,043		—		272,520		—		14
438,388	396,635	387,232	440,357	9,842,777	10,396,899	8,790,508	10,031,707	15
1,244,352	1,099,700	996,561	930,454	28,821,376	37,154,494	23,915,409	22,505,687	16
300,825	253,273	225,210	195,768	4,553,174	4,017,294	3,582,204	3,109,448	17
105,702	97,745	91,425	84,712	2,853,128	2,317,333	1,558,600	1,423,212	18
720,269	665,090	562,349	549,298	14,920,073	13,940,656	14,672,085	14,472,987	19
—	—	—	227	3,649,249	3,733,638	1,653,310	851,305	20
14,262	12,053	10,910	9,901	134,409	123,636	115,800	104,929	21
1,141,058	1,028,161	889,894	839,906	26,110,033	24,132,557	21,581,999	19,961,881	22
103,294	71,539	106,667	90,548	2,711,343	2,625,038	2,333,410	2,543,806	23
1,244,352	1,099,700	996,561	930,454	28,821,376	26,757,595	23,915,409	22,505,687	24
128,207	129,365	123,893	120,537	1,175,811	1,124,134	1,089,416	1,035,786	25
16,854	14,115	13,608	13,367	138,284	135,803	132,445	126,244	26
2,372	2,155	2,128	2,026	19,388	18,826	18,349	17,671	27
227	144	132	122	1,650	1,616	1,586	1,538	28
147,660	145,779	139,761	136,052	1,335,133	1,280,379	1,241,796	1,181,239	29
9,959	8,753	7,906	7,335	67,457	61,262	56,112	50,224	30
3,297	3,015	2,801	2,680	36,499	32,698	28,402	25,796	31
6,847	6,451	5,912	5,820	88,149	83,696	80,911	77,110	32
—	—	—	—	5,909	4,714	2,918	1,579	33
552	457	400	361	3,153	2,837	2,590	2,343	34
20,655	18,676	17,019	16,196	201,167	185,207	170,933	157,052	35
1,194	1,142	1,133	1,164	9,755	9,799	9,466	8,747	36
4,204	3,968	3,835	3,923	42,134	40,828	36,735	31,868	37

TABLE 1. Comparative Summary, 1956-59 — Continued

No.			Ontario			
			1959	1958 ^r	1957 ^r	1956 ^r
	Installed generating capacity (Table 2):					
1	Hydro	kw.	5,577,611	4,957,380	4,091,654	3,850,181
2	Thermal	"	1,120,961	912,366	909,188	890,247
3	Total installed generating capacity	"	6,698,572	5,869,746	5,000,842	4,740,428
	Energy made available (Tables 3 and 4):					
4	Generated—Hydro	'000 kwh.	32,386,820	28,012,573	27,959,037	27,478,197
5	Thermal	"	991,331	1,238,807	2,153,403	1,570,076
6	Total generation	"	33,378,151	29,251,380	30,112,440	29,048,273
7	Imported from other Provinces	"	5,804,206	6,024,335	5,071,120	5,334,917
8	Imported from United States	"	481,462	226,510	285,472	174,435
9	Exported to other Provinces	"	191,510	50,553	23,316	25,961
10	Exported to United States	"	3,865,099	3,404,051	4,222,225	5,010,968
11	Total made available in Canada	"	35,607,210	32,047,621	31,223,491	29,520,696
	Generated for use in own plant:					
12	Excluding consumption in electric boilers....	"	1,731,609	} 1,805,015	1,826,356	} 1,995,784
13	Consumed in electric boilers	"	122,250			
14	Losses	"	161,848			
15	Total generated for own use	"	2,015,707	1,862,435	1,877,915	1,995,784
16	Total available for disposal in Canada	"	33,591,503	30,185,186	29,345,576	27,524,912
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
17	Domestic and farm	"	8,780,654	8,189,413	7,594,393	7,045,900
18	Commercial	"	3,067,538	2,833,584	2,609,398	2,418,518
19	Power—Excluding deliveries to electric	"				
20	boilers	"	16,933,502	14,963,091	15,165,803	13,972,150
21	Deliveries to electric boilers	"	360,639	198,254	48,113	94,416
22	Street lighting.....	"	264,160	244,962	228,684	212,535
23	Total sold to ultimate customers	"	29,406,493	26,429,304	25,646,391	23,743,519
24	Losses and unaccounted for.....	"	4,185,010	3,755,882	3,699,185	3,781,393
	Total disposed of in Canada	"	33,591,503	30,185,186	29,345,576	27,524,912
	Customers (Table 6):					
	Ultimate customers in Canada:					
25	Domestic and farm	No.	1,710,079	1,634,830	1,549,668	1,492,408
26	Commercial	"	165,489	166,107	166,198	168,277
27	Power.....	"	26,823	26,143	25,553	25,642
28	Street lighting.....	"	761	752	780	732
29	Total ultimate customers	"	1,903,152	1,827,832	1,742,199	1,687,059
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
30	Domestic and farm	\$'000	117,629	110,712	103,377	95,898
31	Commercial	"	46,074	43,478	40,582	37,596
32	Power—Excluding deliveries to electric	"				
33	boilers.....	"	118,284	107,699	104,295	95,705
34	Deliveries to electric boilers	"	510	279	68	139
35	Street lighting.....	"	5,976	5,417	4,962	5,121
	Total revenue from ultimate customers.....	"	288,473	267,585	253,284	234,459
	Employees, salaries and wages (Table 13):					
36	Total employees (excluding construction)	No.	16,560	16,409	16,184	15,956
37	Total wages and salaries (excluding construc- tion)	\$'000	82,715	76,082	71,477	65,196

TABLE 1. Comparative Summary, 1956-59 — Continued

Manitoba				Saskatchewan				No.
1959	1958 ^r	1957 ^r	1956	1959	1958	1957	1956 ^r	
577,950	577,950	564,950	589,950	109,504	88,800	85,200	85,200	1
197,267	197,062	92,154	59,338	584,454	461,852	374,745	330,548	2
775,217	775,012	657,104	649,288	693,958	550,652	459,945	415,748	3
3,580,427	3,113,166	3,350,396	3,346,394	587,366	568,480	566,020	555,466	4
62,816	139,854	26,993	18,910	1,512,312	1,347,716	1,200,324	1,030,433	5
3,643,243	3,253,020	3,357,389	3,365,304	2,099,678	1,916,196	1,766,344	1,585,899	6
762,157	540,238	533,792	555,617	8,104	6,715	2,315	1,994	7
—	—	—	817	401	365	316	258	8
128,633	35,858	152,657	117,499	586,778	504,029	532,256	555,466	9
36	28	22	8	—	—	—	—	10
4,276,731	3,757,372	3,758,502	3,804,231	1,521,405	1,419,247	1,236,719	1,032,685	11
74,991	36,037	63,049	24,330	62,101	100,989	58,693	34,823	12
19,434	972	—	—	2,372	3,529	6	—	13
94,425	37,009	63,049	24,330	64,473	104,518	58,699	34,823	14
4,182,306	3,720,363	3,695,453	3,779,901	1,456,932	1,314,729	1,178,020	997,862	15
1,388,330	1,337,932	1,247,563	1,172,579	600,526	515,158	470,075	400,215	17
488,694	456,589	428,508	275,652	277,904	163,257	166,344	158,358	18
1,364,668	1,283,248	1,286,949	1,876,976	365,076	390,574	326,482	305,280	19
407,255	211,886	310,950	21,444	—	—	—	—	20
39,802	35,876	33,943	31,952	20,536	21,006	19,725	19,291	21
3,688,749	3,325,531	3,307,913	3,378,603	1,264,042	1,089,995	982,626	883,144	22
493,557	394,832	387,540	401,298	192,890	224,734	195,394	114,718	23
4,182,306	3,720,363	3,695,453	3,779,901	1,456,932	1,314,729	1,178,020	997,862	24
231,662	218,870	211,642	208,039	201,900	191,072	182,426	169,527	25
38,953	36,969	36,002	30,259	33,702	31,838	31,106	30,826	26
11,264	10,818	10,676	15,483	5,043	6,540	5,708	5,028	27
538	529	529	528	874	859	829	781	28
282,417	267,186	258,849	254,309	241,519	230,309	220,069	206,162	29
15,924	14,141	14,052	13,520	18,087	15,864	14,625	12,690	30
7,508	7,382	6,127	5,274	8,178	6,222	6,072	5,826	31
9,492	8,687	8,331	9,138	6,529	7,174	5,905	5,369	32
475	266	378	28	—	—	—	—	33
753	651	577	519	774	687	640	572	34
34,152	31,127	29,465	28,479	33,568	29,947	27,242	24,457	35
2,524	2,513	2,416	2,162	2,387	2,141	1,875	1,430	36
10,349	9,321	8,387	7,501	10,837	9,477	6,534	5,360	37

TABLE 1. Comparative Summary, 1956-59 — Concluded

No.			Alberta			
			1959	1958	1957	1956
	Installed generating capacity (Table 2):					
1	Hydro	kw.	220,642	220,642	241,432	222,665
2	Thermal	"	545,810	515,258	382,508	381,496
3	Total installed generating capacity	"	766,452	735,900	623,940	604,161
	Energy made available (Tables 3 and 4):					
4	Generated—Hydro	'000 kwh.	842,259	990,457	807,253	979,157
5	Thermal	"	2,255,207	1,737,298	1,624,649	1,164,316
6	Total generation	"	3,097,466	2,727,755	2,431,902	2,143,473
7	Imported from other Provinces	"	34,287	25,520	24,297	28,512
8	Imported from United States	"	617	604	573	—
9	Exported to other Provinces	"	4,977	6,286	3,139	—
10	Exported to United States	"	—	—	—	—
11	Total made available in Canada	"	3,127,393	2,747,593	2,453,633	2,171,985
	Generated for use in own plant:					
12	Excluding consumption in electric boilers ..	"	261,693	248,561	177,043	122,396
13	Consumed in electric boilers	"	—			
14	Losses	"	58		200	
15	Total generated for own use	"	261,751	248,620	177,243	122,396
16	Total available for disposal in Canada	"	2,865,642	2,498,973	2,276,390	2,049,589
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
17	Domestic and farm	"	787,492	646,048	564,048	501,260
18	Commercial	"	340,339	299,204	276,551	245,244
19	Power—Excluding deliveries to electric boilers	"	1,339,800	1,224,536	1,144,294	1,022,309
20	Deliveries to electric boilers	"	—	—	942	—
21	Street lighting	"	47,696	38,393	29,853	25,585
22	Total sold to ultimate customers	"	2,515,327	2,208,181	2,015,688	1,794,398
23	Losses and unaccounted for	"	350,315	290,792	260,702	255,191
24	Total disposed of in Canada	"	2,865,642	2,498,973	2,276,390	2,049,589
	Customers (Table 6):					
	Ultimate customers in Canada:					
25	Domestic and farm	No.	275,395	255,164	237,719	222,222
26	Commercial	"	41,969	40,847	38,895	37,254
27	Power	"	21,540	19,568	18,328	16,426
28	Street lighting	"	545	527	511	480
29	Total ultimate customers	"	339,449	316,106	295,453	276,382
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
30	Domestic and farm	\$'000	17,990	15,484	13,788	12,573
31	Commercial	"	11,612	10,360	9,459	8,660
32	Power—Excluding deliveries to electric boilers	"	18,145	16,044	14,650	12,916
33	Deliveries to electric boilers	"	—	—	10	10
34	Street lighting	"	1,495	1,251	1,045	742
35	Total revenue from ultimate customers	"	49,242	43,139	38,952	34,901
	Employees, salaries and wages (Table 13):					
36	Total employees (excluding construction)	No.	1,956	1,932	1,647	1,598
37	Total wages and salaries (excluding construction)	\$'000	9,072	8,498	6,729	5,443

TABLE 1. Comparative Summary, 1956-59 — Concluded

British Columbia				Yukon and N.W.T.				No.
1959	1958	1957	1956 ^r	1959	1958 ^r	1957 ^r	1956 ^r	
2,312,067	2,260,990	2,266,077	1,933,022	38,400	38,400	28,975	25,725	1
401,267	261,972	242,915	185,108	7,103	4,813	3,017	15,150	2
2,713,334	2,522,962	2,508,992	2,118,130	45,503	43,213	31,992	40,875	3
11,701,239	11,254,743	10,116,336	9,350,558	154,125	141,719	121,641	114,671	4
671,978	627,960	607,701	719,778	30,701	26,318	23,516	2,926	5
12,373,217	11,882,703	10,724,037	10,070,336	184,826	168,037	145,157	117,597	6
—	2,081	3,139	—	—	—	—	—	7
28,519	16,159	277,664	51,906	—	—	—	—	8
34,287	25,520	24,297	28,512	—	—	—	—	9
1,505	1,309	9,907	19,671	—	—	—	—	10
12,365,944	11,874,114	10,970,636	10,074,059	184,826	168,037	145,157	117,597	11
6,033,070	6,219,643	6,243,327	5,699,542	48,410	61,392	71,227	46,186	12
166,645		181,533		6,576		813		13
172,383		—		2,597		—		14
6,372,098	6,411,588	6,424,860	5,699,542	57,583	66,066	72,040	46,186	15
5,993,846	5,462,526	4,545,776	4,374,517	127,243	101,971	73,117	71,411	16
1,963,660	1,775,996	1,657,619	1,445,059	10,201	8,536	7,268	8,646	17
718,117	867,938	798,711	556,576	14,082	5,817	8,138	2,682	18
2,567,011	2,107,687	1,421,814	1,550,935	74,248	60,867	49,636	45,836	19
—	—	—	—	19,522	18,819	6,248	4,987	20
63,485	61,353	57,218	54,296	198	214	192	229	21
5,312,273	4,812,974	3,935,362	3,606,866	118,251	94,253	71,482	62,380	22
681,573	649,552	610,414	767,651	8,992	7,718	1,635	9,031	23
5,993,846	5,462,526	4,545,776	4,374,517	127,243	101,971	73,117	71,411	24
416,251	399,343	382,222	366,438	3,574	3,014	2,918	2,808	25
62,240	61,521	58,995	56,033	865	702	749	503	26
8,747	8,270	8,098	8,256	171	157	89	146	27
249	232	215	197	9	9	6	7	28
487,487	469,366	449,530	430,924	4,619	3,882	3,762	3,464	29
41,547	36,911	33,421	30,271	558	475	343	441	30
20,770	21,933	19,324	15,662	793	359	521	178	31
23,998	17,389	13,298	15,340	1,541	1,178	987	1,036	32
—	—	—	—	65	65	25	22	33
1,353	1,225	1,092	1,020	13	14	13	12	34
87,668	77,458	67,135	62,293	2,970	2,091	1,889	1,689	35
2,559	3,019	2,635	2,645	154	110	78	78	36
14,371	13,757	12,579	11,715	721	517	343	289	37

TABLE 2. Installed Generating Capacity at End of Year, 1959

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		nameplate rating in kilowatts			
	Electric utilities and industrial establishments:				
	Hydro:				
1	Water-wheels and turbines	17,535,776	244,830	155	127,930
	Thermal:				
2	Steam engines and turbines	3,031,273	20,000	22,500	367,045
3	Internal combustion engines	249,434	9,427	2,986	3,540
4	Gas turbines	292,437	—	—	—
5	Total thermal	3,573,144	29,427	25,486	370,585
6	Total installed generating capacity	21,108,920	274,257	25,641	498,515
7	Per cent of total for Canada	100.00	1.30	0.12	2.36
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	14,067,712	190,150	155	122,580
	Thermal:				
9	Steam engines and turbines	2,386,635	10,000	22,500	326,250
10	Internal combustion engines	198,943	4,777	2,981	3,140
11	Gas turbines	284,000	—	—	—
12	Total thermal	2,869,578	14,777	25,481	329,390
13	Total installed generating capacity	16,937,290	204,927	25,636	451,970
14	Per cent of total for Canada	100.00	1.21	0.15	2.67
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	9,053,559	—	—	82,768
	Thermal:				
16	Steam engines and turbines	1,851,275	—	—	60,000
17	Internal combustion engines	143,042	—	2,881	1,220
18	Gas turbines	165,500	—	—	—
19	Total thermal	2,159,817	—	2,881	61,220
20	Total installed generating capacity	11,213,376	—	2,881	143,988
21	Per cent of total for Canada	100.00	—	0.02	1.28
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	5,014,153	190,150	155	39,812
	Thermal:				
23	Steam engines and turbines	535,360	10,000	22,500	266,250
24	Internal combustion engines	55,901	4,777	100	1,920
25	Gas turbines	118,500	—	—	—
26	Total thermal	709,761	14,777	22,600	268,170
27	Total installed generating capacity	5,723,914	204,927	22,755	307,982
28	Per cent of total for Canada	100.00	3.58	0.40	5.38
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	3,468,064	54,680	—	5,350
	Thermal:				
30	Steam engines and turbines	644,638	10,000	—	40,795
31	Internal combustion engines	50,491	4,650	5	400
32	Gas turbines	8,437	—	—	—
33	Total thermal	703,566	14,650	5	41,195
34	Total installed generating capacity	4,171,630	69,330	5	46,545
35	Per cent of total for Canada	100.00	1.66	0.00	1.12

TABLE 2. Installed Generating Capacity at End of Year, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
nameplate rating in kilowatts								
188,506	8,138,181	5,577,611	577,950	109,504	220,642	2,312,067	38,400	1
192,649	66,864	1,102,120	189,600	518,700	422,502	128,693	600	2
8,082	23,189	18,841	7,667	45,754	26,371	97,074	6,503	3
—	—	—	—	20,000	96,937	175,500	—	4
200,731	90,053	1,120,961	197,267	584,454	545,810	401,267	7,103	5
389,237	8,228,234	6,698,572	775,217	693,958	766,452	2,713,334	45,503	6
1.84	38.98	31.73	3.67	3.29	3.63	12.86	0.22	7
175,786	6,077,518	5,333,038	567,650	104,580	220,642	1,250,623	24,990	8
92,250	—	864,000	185,600	510,700	372,125	2,610	600	9
8,082	19,312	9,751	3,675	34,592	19,886	86,540	6,207	10
—	—	—	—	20,000	88,500	175,500	—	11
100,332	19,312	873,751	189,275	565,292	480,511	264,650	6,807	12
276,118	6,096,830	6,206,789	756,925	669,872	701,153	1,515,273	31,797	13
1.63	36.00	36.64	4.47	3.95	4.14	8.95	0.19	14
165,746	2,884,099	5,017,274	567,650	—	—	312,682	23,340	15
92,250	—	864,000	185,600	473,200	175,625	—	600	16
7,082	8,550	4,226	3,675	33,792	—	77,941	3,675	17
—	—	—	—	20,000	70,000	75,500	—	18
99,332	8,550	868,226	189,275	526,992	245,625	153,441	4,275	19
265,078	2,892,649	5,885,500	756,925	526,992	245,625	466,123	27,615	20
2.36	25.80	52.49	6.75	4.70	2.19	4.16	0.25	21
10,040	3,193,419	315,764	—	104,580	220,642	937,941	1,650	22
—	—	—	—	37,500	196,500	2,610	—	23
1,000	10,762	5,525	—	800	19,886	8,599	2,532	24
—	—	—	—	—	18,500	100,000	—	25
1,000	10,762	5,525	—	38,300	234,886	111,209	2,532	26
11,040	3,204,181	321,289	—	142,880	455,528	1,049,150	4,182	27
0.19	55.98	5.81	—	2.50	7.96	18.33	0.07	28
12,720	2,060,663	244,573	10,300	4,924	—	1,061,444	13,410	29
100,399	66,864	238,120	4,000	8,000	50,377	126,083	—	30
—	3,877	9,090	3,992	11,162	6,485	10,534	296	31
—	—	—	—	—	8,437	—	—	32
100,399	70,741	247,210	7,992	19,162	65,299	136,617	296	33
113,119	2,131,404	491,783	18,292	24,086	65,299	1,198,061	13,706	34
2.71	51.09	11.79	0.44	0.58	1.56	28.72	0.33	35

TABLE 3. Generation of Energy, 1959

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
	Hydro:				
1	Water-wheels and turbines	97,039,830	1,370,826	340	679,450
	Thermal:				
2	Steam engines and turbines	6,757,901	53,491	65,631	968,385
3	Internal combustion engines	558,482	24,321	5,171	2,207
4	Gas turbines	257,351	—	—	—
5	Total thermal	7,573,734	77,812	70,802	970,592
6	Total energy generated	104,613,564	1,448,638	71,142	1,650,042
7	Per cent of total for Canada	100.00	1.38	0.07	1.58
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	77,767,745	1,009,845	340	640,255
	Thermal:				
9	Steam engines and turbines	4,633,411	30,313	65,631	850,531
10	Internal combustion engines	431,216	5,352	5,171	2,157
11	Gas turbines	216,513	—	—	—
12	Total thermal	5,281,140	35,665	70,802	852,688
13	Total energy generated	83,048,885	1,045,510	71,142	1,492,943
14	Per cent of total for Canada	100.00	1.26	0.08	1.80
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	50,140,055	—	—	439,777
	Thermal:				
16	Steam engines and turbines	2,719,481	—	—	111,015
17	Internal combustion engines	325,117	—	5,137	1,831
18	Gas turbines	210,729	—	—	—
19	Total thermal	3,255,327	—	5,137	112,846
20	Total energy generated	53,395,382	—	5,137	552,623
21	Per cent of total for Canada	100.00	—	0.01	1.03
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	27,627,690	1,009,845	340	200,478
	Thermal:				
23	Steam engines and turbines	1,913,930	30,313	65,631	739,516
24	Internal combustion engines	106,099	5,352	34	326
25	Gas turbines	5,784	—	—	—
26	Total thermal	2,025,813	35,665	65,665	739,842
27	Total energy generated	29,653,503	1,045,510	66,005	940,320
28	Per cent of total for Canada	100.00	3.53	0.22	3.17
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	19,272,085	360,981	—	39,195
	Thermal:				
30	Steam engines and turbines	2,124,490	23,178	—	117,854
31	Internal combustion engines	127,266	18,969	—	50
32	Gas turbines	40,838	—	—	—
33	Total thermal	2,292,594	42,147	—	117,904
34	Total energy generated	21,564,679	403,128	—	157,099
35	Per cent of total for Canada	100.00	1.87	—	0.73

¹ Kilowatt-hours generated after deducting station service.

TABLE 3. Generation of Energy, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
1,115,835	44,621,143	32,386,820	3,580,427	587,366	842,259	11,701,239	154,125	1
680,924	193,053	967,440	56,026	1,283,663	2,031,863	457,237	188	2
16,476	39,730	23,891	6,790	126,225	72,774	210,384	30,513	3
—	—	—	—	102,424	150,570	4,357	—	4
697,400	232,783	991,331	62,816	1,512,312	2,255,207	671,978	30,701	5
1,813,235	44,853,926	33,378,151	3,643,243	2,099,678	3,097,466	12,373,217	184,826	6
1.73	42.88	31.90	3.48	2.01	2.96	11.83	0.18	7
1,050,563	33,262,401	30,972,971	3,540,427	562,072	842,259	5,781,342	105,270	8
238,877	—	336,679	51,709	1,247,151	1,811,911	421	188	9
16,476	29,532	11,230	6,287	86,750	66,144	190,613	11,504	10
—	—	—	—	102,424	109,732	4,357	—	11
255,353	29,532	347,909	57,996	1,436,325	1,987,787	195,391	11,692	12
1,305,916	33,291,933	31,320,880	3,598,423	1,998,397	2,830,046	5,976,733	116,962	13
1.57	40.09	37.71	4.33	2.41	3.41	7.20	0.14	14
896,963	14,115,221	29,481,879	3,540,427	—	—	1,566,636	99,152	15
238,877	—	336,679	51,709	1,136,380	844,633	—	188	16
16,462	17,095	3,927	6,287	86,376	—	179,639	8,363	17
—	—	—	—	102,424	108,305	—	—	18
255,339	17,095	340,606	57,996	1,325,180	952,938	179,639	8,551	19
1,152,302	14,132,316	29,822,485	3,598,423	1,325,180	952,938	1,746,275	107,703	20
2.16	26.47	55.85	6.74	2.48	1.78	3.27	0.20	21
153,600	19,147,180	1,491,092	—	562,072	842,259	4,214,706	6,118	22
—	—	—	—	110,771	967,278	421	—	23
14	12,437	7,303	—	374	66,144	10,974	3,141	24
—	—	—	—	—	1,427	4,357	—	25
14	12,437	7,303	—	111,145	1,034,849	15,752	3,141	26
153,614	19,159,617	1,498,396	—	673,217	1,877,108	4,230,458	9,259	27
0.52	64.61	5.05	—	2.27	6.33	14.27	0.03	28
65,272	11,358,742	1,413,849	40,000	25,294	—	5,919,897	48,855	29
442,047	193,053	630,761	4,317	36,512	219,952	456,816	—	30
—	10,198	12,661	503	39,475	6,630	19,771	19,009	31
—	—	—	—	—	40,838	—	—	32
442,047	203,251	643,422	4,820	75,987	267,420	476,587	19,009	33
507,319	11,561,993	2,057,271	44,820	101,281	267,420	6,396,484	67,864	34
2.35	53.62	9.54	0.21	0.47	1.24	29.66	0.31	35

TABLE 4. Energy Made Available, 1959

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
1	Total generated (Table 3)¹	104,613,564	1,448,638	71,142	1,650,042
2	Per cent of total for Canada	100.00	1.38	0.07	1.58
	Energy imported:				
3	From other provinces .....	...	—	—	—
4	From United States	512,002	—	—	—
5	Total imported	512,002	—	—	—
	Energy exported:				
6	To other provinces .....	...	41,293	—	13,984
7	To United States	4,580,619	—	—	—
8	Total exported	4,580,619	41,293	—	13,984
9	Total made available in Canada	100,544,947	1,407,345	71,142	1,636,058
10	Per cent of total for Canada	100.00	1.40	0.07	1.63
	Generated for use in own plant:				
11	Excluding consumption in electric boilers	17,158,300	322,462	—	158,249
12	Consumption in electric boilers	1,851,955	27,597	—	—
13	Losses	655,091	9,836	—	—
14	Total generated for own use	19,665,346	359,895	—	158,249
15	Total available for disposal in Canada	80,879,601	1,047,450	71,142	1,477,809
16	Per cent of total for Canada	100.00	1.30	0.09	1.83

¹ Kilowatt hours after deducting station service.

TABLE 5. Disposal of Energy, 1959

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities and industrial establishments:				
	To ultimate customers in Canada:				
1	Domestic and farm ¹	19,007,111	160,820	27,033	434,396
2	Commercial	8,058,275	41,809	19,894	131,068
3	Power—Excluding deliveries to electric boilers	39,698,251	652,209	11,942	749,453
4	Deliveries to electric boilers	4,521,543	84,878	—	—
5	Street lighting	602,930	4,429	1,238	12,715
6	Total sold to ultimate customers	71,888,110	944,145	60,107	1,327,632
7	Losses and unaccounted for	8,991,491	103,305	11,035	150,177
8	Total disposed of in Canada	80,879,601	1,047,450	71,142	1,477,809
9	Per cent of total for Canada	100.00	1.30	0.09	1.83
	Exported:				
10	To other provinces—Primary .....	...	41,293	—	13,984
11	Secondary .....	...	—	—	—
12	To United States—Primary	1,063,318	—	—	—
13	Secondary	3,517,301	—	—	—
14	Total exported	4,580,619	41,293	—	13,984
	Electric utilities:				
	Publicly and privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	18,952,742	160,272	27,033	434,396
16	Commercial	8,035,458	41,488	19,894	131,068
17	Power—Excluding deliveries to electric boilers	39,605,097	652,018	11,942	746,976
18	Deliveries to electric boilers	4,521,543	84,878	—	—
19	Street lighting	600,644	4,429	1,238	12,715
20	Total sold to ultimate customers	71,715,484	943,085	60,107	1,325,155
21	Losses and unaccounted for	8,979,677	103,305	11,035	150,177
22	Total disposed of in Canada	80,695,161	1,046,390	71,142	1,475,332
23	Per cent of total for Canada	100.00	1.30	0.09	1.83
	Exported:				
24	To other provinces—Primary .....	...	—	—	13,984
25	Secondary .....	...	—	—	—
26	To United States—Primary	1,019,537	—	—	—
27	Secondary	3,451,730	—	—	—
28	Total exported	4,471,267	—	—	13,984

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 4. Energy Made Available, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
1,813,235	44,853,926	33,378,151	3,643,243	2,099,678	3,097,466	12,373,217	184,826	1
1.73	42.88	31.90	3.48	2.01	2.96	11.83	0.18	2
27,986	57,436	5,804,206	762,157	8,104	34,287	—	—	3
151	852	481,462	—	401	617	28,519	—	4
28,137	58,288	6,285,668	762,157	8,505	34,904	28,519	—	5
11	5,692,703	191,510	128,633	586,778	4,977	34,287	—	6
158,621	555,358	3,865,099	36	—	—	1,505	—	7
158,632	6,248,061	4,056,609	128,669	586,778	4,977	35,792	—	8
1,682,740	38,664,153	35,607,210	4,276,731	1,521,405	3,127,393	12,365,944	184,826	9
1.67	38.46	35.42	4.25	1.51	3.11	12.30	0.18	10
422,298	8,043,417	1,731,609	74,991	62,101	261,693	6,033,070	48,410	11
2,047	1,526,840	122,250	—	—	—	166,645	6,576	12
14,043	272,520	161,848	19,434	2,372	58	172,383	2,597	13
438,388	9,842,777	2,015,707	94,425	64,473	261,751	6,372,098	57,583	14
1,244,352	28,821,376	33,591,503	4,182,306	1,456,932	2,865,642	5,993,846	127,243	15
1.54	35.63	41.53	5.17	1.80	3.54	7.41	0.16	16

TABLE 5. Disposal of Energy, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
300,825	4,553,174	8,780,654	1,388,330	600,526	787,492	1,963,660	10,201	1
105,702	2,853,128	3,067,538	488,694	277,904	340,339	718,117	14,082	2
720,269	14,920,073	16,933,502	1,364,668	365,076	1,339,800	2,567,011	74,248	3
—	3,649,249	360,639	407,255	—	—	—	19,522	4
14,262	134,409	264,160	39,802	20,536	47,696	63,485	198	5
1,141,058	26,110,033	29,406,493	3,688,749	1,264,042	2,515,327	5,312,273	118,251	6
103,294	2,711,343	4,185,010	493,557	192,890	350,315	681,573	8,992	7
1,244,352	28,821,376	33,591,503	4,182,306	1,456,932	2,865,642	5,993,846	127,243	8
1.54	35.63	41.53	5.17	1.80	3.54	7.41	0.16	9
11	4,220,636	15,948	128,633	586,778	4,977	34,168	—	10
—	1,472,067	175,562	—	—	—	119	—	11
93,050	245,984	722,771	36	—	—	1,477	—	12
65,571	309,374	3,142,328	—	—	—	28	—	13
158,621	6,248,061	4,056,609	128,669	586,778	4,977	35,792	—	14
300,825	4,541,109	8,767,304	1,384,822	599,885	786,969	1,940,085	10,042	15
105,702	2,848,020	3,063,536	487,319	277,822	340,187	709,232	11,190	16
720,269	14,891,613	16,885,850	1,364,603	365,076	1,338,145	2,559,904	68,701	17
—	3,649,249	360,639	407,255	—	—	—	19,522	18
14,262	133,557	263,858	39,723	20,536	47,693	62,435	198	19
1,141,058	26,063,548	29,341,187	3,683,722	1,263,319	2,512,994	5,271,656	109,653	20
103,294	2,710,366	4,174,331	493,399	192,890	350,315	681,573	8,992	21
1,244,352	28,773,914	33,515,518	4,177,121	1,456,209	2,863,309	5,953,229	118,645	22
1.54	35.66	41.53	5.17	1.80	3.55	7.38	0.15	23
11	4,220,636	15,948	128,633	553,072	4,977	34,168	—	24
—	1,472,067	175,562	—	—	—	119	—	25
92,647	245,984	679,393	36	—	—	1,477	—	26
—	309,374	3,142,328	—	—	—	28	—	27
92,658	6,248,061	4,013,231	128,669	553,072	4,977	35,792	—	28

TABLE 5. Disposal of Energy, 1959 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities — Concluded:				
	Publicly-operated:				
	To ultimate customers in Canada:				
1	Domestic and farm ¹	13,885,025	—	4,300	117,072
2	Commercial	5,289,660	—	1,800	39,724
3	Power—Excluding deliveries to electric boilers	24,450,893	—	3,208	332,812
4	Deliveries to electric boilers	1,033,459	—	—	—
5	Street lighting	459,413	—	505	4,109
6	Total sold to ultimate customers	45,118,450	—	9,813	493,717
7	Losses and unaccounted for	6,134,669	—	581	46,241
8	Total disposed of in Canada	51,253,119	—	10,394	539,958
9	Per cent of total for Canada	100.00	—	0.02	1.05
	Exported:				
10	To other provinces — Primary .....	...	—	—	—
11	Secondary .....	...	—	—	—
12	To United States — Primary	677,446	—	—	—
13	Secondary	3,357,835	—	—	—
14	Total exported	4,035,281	—	—	—
	Privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	5,067,717	160,272	22,733	317,324
16	Commercial	2,745,798	41,488	18,094	91,344
17	Power—Excluding deliveries to electric boilers	15,154,204	652,018	8,734	414,164
18	Deliveries to electric boilers	3,488,084	84,878	—	—
19	Street lighting	141,231	4,429	733	8,606
20	Total sold to ultimate customers	26,597,034	943,085	50,294	831,438
21	Losses and unaccounted for	2,845,008	103,305	10,454	103,936
22	Total disposed of in Canada	29,442,042	1,046,390	60,748	935,374
23	Per cent of total for Canada	100.00	3.56	0.21	3.18
	Exported:				
24	To other provinces — Primary .....	...	—	—	13,984
25	Secondary .....	...	—	—	—
26	To United States — Primary	342,091	—	—	—
27	Secondary	93,895	—	—	—
28	Total exported	435,986	—	—	13,984
	Industrial establishments:				
	To ultimate customers in Canada:				
29	Domestic and farm ¹	54,369	548	—	—
30	Commercial	22,817	321	—	—
31	Power—Excluding deliveries to electric boilers ..	93,154	191	—	2,477
32	Deliveries to electric boilers	—	—	—	—
33	Street lighting	2,286	—	—	—
34	Total sold to ultimate customers	172,626	1,060	—	2,477
35	Losses and unaccounted for	11,814	—	—	—
36	Total disposed of in Canada	184,440	1,060	—	2,477
37	Per cent of total for Canada	100.00	0.58	—	1.34
	Exported:				
38	To other provinces — Primary .....	...	41,293	—	—
39	Secondary .....	...	—	—	—
40	To United States — Primary	43,781	—	—	—
41	Secondary	65,571	—	—	—
42	Total exported	109,352	41,293	—	—

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 5. Disposal of Energy, 1959 - Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
239,482	2,177,573	8,584,573	1,363,961	560,281	414,205	421,829	1,749	1
71,416	981,670	3,003,438	481,211	265,618	233,542	205,731	5,510	2
605,311	4,631,064	15,889,093	876,524	323,189	585,369	1,140,508	63,815	3
—	246,043	360,639	407,255	—	—	—	19,522	4
10,959	73,448	258,155	38,256	19,209	36,686	18,053	33	5
927,168	8,109,798	28,095,898	3,167,207	1,168,297	1,269,802	1,786,121	90,629	6
92,396	1,057,795	4,070,209	457,291	174,967	89,620	139,380	6,189	7
1,019,564	9,167,593	32,166,107	3,624,498	1,343,264	1,359,422	1,925,501	96,818	8
1.99	17.89	62.76	7.07	2.62	2.65	3.76	0.19	9
11	1,473,984	15,948	125,506	—	—	—	—	10
—	1,398,192	175,562	—	—	—	119	—	11
41,219	241,056	395,135	36	—	—	—	—	12
—	262,491	3,095,344	—	—	—	—	—	13
41,230	3,375,723	3,681,989	125,542	—	—	119	—	14
61,343	2,363,536	182,731	20,861	39,604	372,764	1,518,256	8,293	15
34,286	1,866,350	60,098	6,108	12,204	106,645	503,501	5,680	16
114,958	10,260,549	996,757	488,079	41,887	752,776	1,419,396	4,886	17
—	3,403,206	—	—	—	—	—	—	18
3,303	60,109	5,703	1,467	1,327	11,007	44,382	165	19
213,890	17,953,750	1,245,289	516,515	95,022	1,243,192	3,485,535	19,024	20
10,898	1,652,571	104,122	36,108	17,923	260,695	542,193	2,803	21
224,788	19,606,321	1,349,411	552,623	112,945	1,503,887	4,027,728	21,827	22
0.76	66.59	4.58	1.88	0.38	5.11	13.68	0.07	23
—	2,746,652	—	3,127	553,072	4,977	34,168	—	24
—	73,875	—	—	—	—	—	—	25
51,428	4,928	284,258	—	—	—	1,477	—	26
—	46,883	46,984	—	—	—	28	—	27
51,428	2,872,338	331,242	3,127	553,072	4,977	35,673	—	28
—	12,065	13,350	3,508	641	523	23,575	159	29
—	5,108	4,002	1,375	82	152	8,885	2,892	30
—	28,460	47,652	65	—	1,655	7,107	5,547	31
—	—	—	—	—	—	—	—	32
—	852	302	79	—	3	1,050	—	33
—	46,485	65,306	5,027	723	2,333	40,617	8,598	34
—	977	10,679	158	—	—	—	—	35
—	47,462	75,985	5,185	723	2,333	40,617	8,598	36
—	25.73	41.20	2.81	0.39	1.27	22.02	4.66	37
—	—	—	—	33,706	—	—	—	38
—	—	—	—	—	—	—	—	39
403	—	43,378	—	—	—	—	—	40
65,571	—	—	—	—	—	—	—	41
65,974	—	43,378	—	33,706	—	—	—	42

TABLE 6. Customers at End of Year, 1959

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
Electric utilities and industrial establishments:					
Ultimate customers in Canada:					
1	Domestic and farm ¹	4,381,564	55,571	16,721	166,393
2	Commercial	528,579	5,795	4,088	20,340
3	Power	103,507	645	263	7,251
4	Street lighting	5,070	22	18	177
5	Total ultimate customers	5,018,720	62,033	21,090	194,161
6	Per cent of total for Canada	100.00	1.24	0.42	3.87
Electric utilities:					
Publicly and privately-operated:					
Ultimate customers in Canada:					
7	Domestic and farm ¹	4,372,340	55,165	16,721	166,393
8	Commercial	527,773	5,783	4,088	20,340
9	Power	103,458	644	263	7,249
10	Street lighting	5,052	22	18	177
11	Total ultimate customers	5,008,623	61,614	21,090	194,159
12	Per cent of total for Canada	100.00	1.23	0.42	3.88
Publicly-operated:					
Ultimate customers in Canada:					
13	Domestic and farm ¹	3,069,321	—	3,101	61,886
14	Commercial	361,925	—	401	8,014
15	Power	66,042	—	81	1,279
16	Street lighting	2,778	—	1	101
17	Total ultimate customers	3,500,066	—	3,584	71,280
18	Per cent of total for Canada	100.00	—	0.10	2.04
Privately-operated:					
Ultimate customers in Canada:					
19	Domestic and farm ¹	1,303,019	55,165	13,620	104,507
20	Commercial	165,848	5,783	3,687	12,326
21	Power	37,416	644	182	5,970
22	Street lighting	2,274	22	17	76
23	Total ultimate customers	1,508,557	61,614	17,506	122,879
24	Per cent of total for Canada	100.00	4.09	1.16	8.15
Industrial establishments:					
Ultimate customers in Canada:					
25	Domestic and farm ¹	9,224	406	—	—
26	Commercial	806	12	—	—
27	Power	49	1	—	2
28	Street lighting	18	—	—	—
29	Total ultimate customers	10,097	419	—	2
30	Per cent of total for Canada	100.00	4.15	—	0.02

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 6. Customers at End of Year, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
128,207	1,175,811	1,710,079	231,662	201,900	275,395	416,251	3,574	1
16,854	138,284	165,489	38,953	33,702	41,969	62,240	865	2
2,372	19,388	26,823	11,264	5,043	21,540	8,747	171	3
227	1,650	761	538	874	545	249	9	4
147,660	1,335,133	1,903,152	282,417	241,519	339,449	487,487	4,619	5
2.94	26.60	37.92	5.63	4.81	6.76	9.72	0.09	6
128,207	1,173,258	1,708,175	231,237	201,819	275,152	412,699	3,514	7
16,854	138,003	165,378	38,915	33,701	41,957	61,890	864	8
2,372	19,369	26,814	11,263	5,043	21,538	8,732	171	9
227	1,643	757	537	874	544	244	9	10
147,660	1,332,273	1,901,124	281,952	241,437	339,191	483,565	4,558	11
2.95	26.60	37.96	5.63	4.82	6.77	9.65	0.09	12
117,577	542,620	1,673,514	227,960	190,904	150,306	100,758	695	13
15,165	66,384	161,611	38,599	32,598	22,140	16,685	328	14
2,119	9,395	26,514	11,209	4,689	8,536	2,213	7	15
217	132	734	535	869	13	171	5	16
135,078	618,531	1,862,373	278,303	229,060	180,995	119,827	1,035	17
3.86	17.67	53.21	7.95	6.55	5.17	3.42	0.03	18
10,630	630,638	34,661	3,277	10,915	124,846	311,941	2,819	19
1,689	71,619	3,767	316	1,103	19,817	45,205	536	20
253	9,974	300	54	354	13,002	6,519	164	21
10	1,511	23	2	5	531	73	4	22
12,582	713,742	38,751	3,649	12,377	158,196	363,738	3,523	23
0.83	47.31	2.57	0.24	0.82	10.49	24.11	0.23	24
—	2,553	1,904	425	81	243	3,552	60	25
—	281	111	38	1	12	350	1	26
—	19	9	1	—	2	15	—	27
—	7	4	1	—	1	5	—	28
—	2,860	2,028	465	82	258	3,922	61	29
—	28.33	20.08	4.61	0.81	2.56	38.84	0.60	30

TABLE 7. Revenue From Sale of Electricity, 1959

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities and industrial establishments:				
	Revenue from ultimate customers in Canada:				
1	Domestic and farm ¹	305,662	3,602	1,288	11,621
2	Commercial	141,518	1,405	752	4,630
3	Power—Excluding deliveries to electric boilers	286,675	4,521	262	8,907
4	Deliveries to electric boilers	7,112	153	—	—
5	Street lighting	14,805	133	60	543
6	Total revenue from ultimate customers	755,772	9,814	2,362	25,701
7	Per cent of total for Canada	100.00	1.30	0.31	3.40
	Revenue from electricity exported:				
8	To other provinces—Primary .....	...	175	—	243
9	Secondary .....	...	—	—	—
10	To United States—Primary	4,977	—	—	—
11	Secondary	8,918	—	—	—
12	Total revenue from exports	13,895	175	—	243
13	Total (Ultimate customers and exports)	769,667	9,989	2,362	25,944
	Electric utilities:				
	Publicly and privately-operated:				
	Revenue from ultimate customers in Canada:				
14	Domestic and farm ¹	304,876	3,582	1,288	11,621
15	Commercial	141,119	1,399	752	4,630
16	Power—Excluding deliveries to electric boilers	286,156	4,515	262	8,895
17	Deliveries to electric boilers	7,107	153	—	—
18	Street lighting	14,774	133	60	543
19	Total revenue from ultimate customers	754,032	9,782	2,362	25,689
20	Per cent of total for Canada	100.00	1.30	0.31	3.41
	Revenue from electricity exported:				
21	To other provinces—Primary .....	...	—	—	243
22	Secondary .....	...	—	—	—
23	To United States—Primary	4,721	—	—	—
24	Secondary	8,565	—	—	—
25	Total revenue from exports	13,286	—	—	243
26	Total (Ultimate customers and exports)	767,318	9,782	2,362	25,932
	Publicly-operated:				
	Revenue from ultimate customers in Canada:				
27	Domestic and farm ¹	206,361	—	231	3,303
28	Commercial	94,140	—	95	1,134
29	Power—Excluding deliveries to electric boilers	182,726	—	56	1,376
30	Deliveries to electric boilers	1,455	—	—	—
31	Street lighting	10,497	—	21	136
32	Total revenue from ultimate customers	495,179	—	403	5,949
33	Per cent of total for Canada	100.00	—	0.08	1.20

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 7. Revenue From Sale of Electricity, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
9,959	67,457	117,629	15,924	18,087	17,990	41,547	558	1
3,297	36,499	46,074	7,508	8,178	11,612	20,770	793	2
6,847	88,149	118,284	9,492	6,529	18,145	23,998	1,541	3
—	5,909	510	475	—	—	—	65	4
552	3,153	5,976	753	774	1,495	1,353	13	5
20,635	201,167	288,473	34,152	33,568	49,242	87,668	2,970	6
2.73	26.62	38.17	4.52	4.44	6.52	11.60	0.39	7
—	12,076	152	177	1,413	54	132	—	8
—	2,276	274	—	—	—	2	—	9
799	463	3,688	1	—	—	26	—	10
353	861	7,702	—	—	—	2	—	11
1,152	15,676	11,816	178	1,413	54	162	—	12
21,807	216,843	300,289	34,330	34,981	49,296	87,830	2,970	13
9,959	67,235	117,463	15,894	18,082	17,972	41,230	550	14
3,297	36,386	46,013	7,498	8,177	11,607	20,610	750	15
6,847	87,942	118,105	9,491	6,529	18,120	23,914	1,536	16
—	5,904	510	475	—	—	—	65	17
552	3,146	5,975	753	774	1,495	1,330	13	18
20,635	200,613	288,066	34,111	33,562	49,194	87,084	2,914	19
2.74	26.61	38.20	4.52	4.45	6.52	11.55	0.39	20
—	12,076	152	177	1,413	54	132	—	21
—	2,276	274	—	—	—	2	—	22
795	463	3,436	1	—	—	26	—	23
—	861	7,702	—	—	—	2	—	24
795	15,676	11,564	178	1,413	54	162	—	25
21,450	216,289	299,630	34,289	34,975	49,248	87,246	2,914	26
8,157	28,670	115,026	15,547	17,222	8,487	9,604	114	27
2,224	18,045	44,970	7,375	7,811	6,544	5,542	400	28
5,906	31,910	112,571	8,369	5,938	7,240	8,107	1,253	29
—	405	510	475	—	—	—	65	30
401	1,231	5,848	740	738	982	398	2	31
16,688	80,261	278,925	32,506	31,709	23,253	23,651	1,834	32
3.37	16.21	56.33	6.56	6.40	4.70	4.78	0.37	33

TABLE 7. Revenue From Sale of Electricity, 1959 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Concluded:				
	Publicly-operated — Concluded:				
	Revenue from electricity exported:				
1	To other provinces — Primary .....	...	—	—	—
2	Secondary .....	...	—	—	—
3	To United States — Primary	2,481	—	—	—
4	Secondary	8,375	—	—	—
5	Total revenue from exports	10,856	—	—	—
6	Total (Ultimate customers and exports)	506,035	—	403	5,949
	Privately-operated:				
	Revenue from ultimate customers in Canada:				
7	Domestic and farm ¹	98,515	3,582	1,057	8,318
8	Commercial	46,979	1,399	657	3,496
9	Power—Excluding deliveries to electric boilers	103,430	4,515	206	7,519
10	Deliveries to electric boilers	5,652	153	—	—
11	Street lighting	4,277	133	39	407
12	Total revenue from ultimate customers	258,853	9,782	1,959	19,740
13	Per cent of total for Canada	100.00	3.78	0.76	7.63
	Revenue from electricity exported:				
14	To other provinces — Primary .....	...	—	—	243
15	Secondary .....	...	—	—	—
16	To United States — Primary	2,240	—	—	—
17	Secondary	190	—	—	—
18	Total revenue from exports	2,430	—	—	243
19	Total (Ultimate customers and exports)	261,283	9,782	1,959	19,983
	Industrial establishments:				
	Revenue from ultimate customers in Canada:				
20	Domestic and farm ¹	786	20	—	—
21	Commercial	399	6	—	—
22	Power—Excluding deliveries to electric boilers ..	519	6	—	12
23	Deliveries to electric boilers	5	—	—	—
24	Street lighting	31	—	—	—
25	Total revenue from ultimate customers	1,740	32	—	12
26	Per cent of total for Canada	100.00	1.84	—	0.69
	Revenue from electricity exported:				
27	To other provinces — Primary .....	...	175	—	—
28	Secondary .....	...	—	—	—
29	To United States — Primary	256	—	—	—
30	Secondary	353	—	—	—
31	Total revenue from exports	609	175	—	—
32	Total (Ultimate customers and exports)	2,349	207	—	12

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records.

TABLE 7. Revenue From Sale of Electricity, 1959 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
—	3,526	152	131	—	—	—	—	1
—	2,189	274	—	—	—	2	—	2
309	393	1,778	1	—	—	—	—	3
—	673	7,702	—	—	—	—	—	4
309	6,781	9,906	132	—	—	2	—	5
16,997	87,042	288,831	32,638	31,709	23,253	23,653	1,834	6
1,802	38,565	2,437	347	860	9,485	31,626	436	7
1,073	18,341	1,043	123	366	5,063	15,068	350	8
941	56,032	5,534	1,122	591	10,880	15,807	283	9
—	5,499	—	—	—	—	—	—	10
151	1,915	127	13	36	513	932	11	11
3,967	120,352	9,141	1,605	1,853	25,941	63,433	1,080	12
1.53	46.49	3.53	0.62	0.72	10.02	24.50	0.42	13
—	8,550	—	46	1,413	54	132	—	14
—	87	—	—	—	—	—	—	15
486	70	1,658	—	—	—	26	—	16
—	188	—	—	—	—	2	—	17
486	8,895	1,658	46	1,413	54	160	—	18
4,453	129,247	10,799	1,651	3,266	25,995	63,593	1,080	19
—	222	166	30	5	18	317	8	20
—	113	61	10	1	5	160	43	21
—	207	179	1	—	25	84	5	22
—	5	—	—	—	—	—	—	23
—	7	1	—	—	—	23	—	24
—	554	407	41	6	48	584	56	25
—	31.84	23.39	2.36	0.34	2.76	33.56	3.22	26
—	—	—	—	—	—	—	—	27
—	—	—	—	—	—	—	—	28
4	—	252	—	—	—	—	—	29
353	—	—	—	—	—	—	—	30
357	—	252	—	—	—	—	—	31
357	554	659	41	6	48	584	56	32

TABLE 8. Domestic and Farm Service, 1939-59¹

No.			Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:					
	Customers:					
1	1939	No.	1,623,672	..	5,067	62,034
2	1945	"	1,987,360	..	6,387	84,011
3	1949	"	2,619,831	28,725	8,966	107,516
4	1958	"	4,188,946	53,614	16,059	163,481
5	1959	"	4,381,564	55,571	16,721	166,393
	Kilowatt-hours sold:					
6	1939	'000 kwh.	2,310,891	..	2,908	39,084
7	1945	"	3,365,497	..	5,217	70,099
8	1949	"	5,678,847	31,906	9,433	127,666
9	1958	"	17,290,984	138,766	23,103	385,465
10	1959	"	19,007,111	160,820	27,033	434,396
	Revenue received:					
11	1939	\$'000	43,793	..	163	1,709
12	1945	"	55,736	..	239	2,286
13	1949	"	90,303	759	507	3,975
14	1958	"	278,531	3,424	1,154	10,351
15	1959	"	305,662	3,602	1,288	11,621
	Kilowatt-hours per customer:					
16	1939	kwh.	1,423	..	574	630
17	1945	"	1,693	..	817	834
18	1949	"	2,168	1,111	1,052	1,187
19	1958	"	4,128	2,588	1,439	2,358
20	1959	"	4,338	2,894	1,617	2,611
	Average annual bill:					
21	1939	\$	26.97	..	32.21	27.56
22	1945	\$	28.05	..	37.35	27.21
23	1949	\$	34.47	26.44	56.54	36.97
24	1958	\$	66.49	63.86	71.86	63.32
25	1959	\$	69.76	64.82	77.03	69.84
	Revenue per kilowatt-hour:					
26	1939	cents	1.90	..	5.61	4.37
27	1945	"	1.66	..	4.57	3.26
28	1949	"	1.59	2.38	5.37	3.11
29	1958	"	1.61	2.47	5.00	2.69
30	1959	"	1.61	2.24	4.76	2.68
	Farm service, 1959: ¹					
31	Customers	No.	482,907	1,860	8,469	27,695
32	Kilowatt-hours sold	'000 kwh.	1,973,018	3,123	11,519	32,779
33	Revenue received	\$'000	44,933	135	666	1,325
34	Kilowatt-hours per customer	No.	4,086	1,679	1,360	1,184
35	Average annual bill	\$	93.05	72.53	78.64	47.84
36	Revenue per kilowatt-hour	cents	2.28	4.32	5.78	4.04

¹ Many utilities cannot distinguish between domestic and farm as they do not keep separate records. At the bottom of the page, however, farm figures are tabulated as reported.

TABLE 8. Domestic and Farm Service, 1939-59¹

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
46,485	434,825	719,871	81,091	49,980	68,267	156,052	..	1
62,175	558,865	839,968	94,673	61,285	87,005	192,991	..	2
87,827	741,941	1,036,705	131,284	87,987	121,440	265,835	1,605	3
129,365	1,124,134	1,634,830	218,870	191,072	255,164	399,343	3,014	4
128,207	1,175,811	1,710,079	231,662	201,900	275,395	416,251	3,574	5
26,989	311,420	1,374,325	320,827	41,198	42,210	151,930	..	6
45,958	507,274	1,963,043	416,499	58,402	63,962	235,043	..	7
87,846	999,216	3,076,688	616,272	105,522	130,328	491,897	2,073	8
253,273	4,017,294	8,189,413	1,337,932	515,158	646,048	1,775,996	8,536	9
300,825	4,553,174	8,780,654	1,388,330	600,526	787,492	1,963,660	10,201	10
1,308	9,167	19,658	3,312	2,004	2,145	4,327	..	11
1,883	11,926	23,699	4,238	2,566	2,932	5,967	..	12
3,348	20,380	34,813	6,811	4,172	4,614	10,799	125	13
8,753	61,262	110,712	14,141	15,864	15,484	36,911	475	14
9,959	67,457	117,629	15,924	18,087	17,990	41,547	558	15
581	716	1,909	3,956	824	618	974	..	16
739	908	2,337	4,399	953	735	1,218	..	17
1,000	1,347	2,968	4,694	1,199	1,073	1,850	1,292	18
1,958	3,574	5,009	6,113	2,696	2,532	4,447	2,832	19
2,346	3,872	5,135	5,993	2,974	2,859	4,717	2,854	20
28.13	21.08	27.31	40.84	40.10	31.42	27.73	..	21
30.29	21.34	28.21	44.76	41.87	33.70	30.92	..	22
38.12	27.47	33.58	51.88	47.41	38.00	40.62	77.65	23
67.66	54.50	67.72	64.61	83.03	60.68	92.43	157.60	24
77.68	57.37	68.79	68.74	89.58	65.32	99.81	156.13	25
4.85	2.94	1.43	1.03	4.87	5.08	2.85	..	26
4.10	2.35	1.21	1.02	4.39	4.59	2.54	..	27
3.81	2.04	1.13	1.11	3.95	3.54	2.20	6.01	28
3.46	1.53	1.35	1.06	3.08	2.40	2.08	5.56	29
3.31	1.48	1.34	1.15	3.01	2.28	2.12	5.47	30
30,783	106,581	143,626	39,027	55,424	46,258	23,184	..	31
58,345	305,791	813,362	209,420	176,259	182,999	179,421	..	32
2,182	6,598	16,731	3,816	6,519	4,054	2,907	..	33
1,895	2,869	5,663	5,366	3,180	3,956	7,739	..	34
70.88	61.91	116.49	97.78	117.62	87.64	125.39	..	35
3.74	2.16	2.06	1.82	3.70	2.22	1.62	..	36

TABLE 9. Pole Line Mileage at End of Year, 1939

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	Steel — Towers	11,417	66	—	21
2	Poles	221	47	—	1
3	Aluminum — Towers	1	—	—	—
4	Poles	1	—	—	—
5	Wood pole — Transmission	42,677	448	78	1,752
6	Distribution	251,073	1,964	1,590	9,094
77	Concrete pole	633	—	—	—
8	Cable (under ground and — Under 69 kv. submarine)	4,535	10	—	35
9	69 kv. and over	256	—	—	—
10	Other	26	—	—	—
11	Total pole line mileage	310,840	2,535	1,668	10,903
12	Per cent of total for Canada	100.00	0.82	0.54	3.51

TABLE 10. Circuit Mileage of Electric Line at End of Year, 1939

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	20,000 - 49,999 volts	28,464	1,536	78	910
2	50,000 - 99,999 "	17,720	312	—	789
3	100,000 - 149,999 "	14,497	—	—	34
4	150,000 - 199,999 "	544	—	—	—
5	200,000 - 249,999 "	5,426	—	—	—
6	250,000 - 299,999 "	—	—	—	—
7	300,000 - 349,999 "	2,094	—	—	—
8	350,000 volts and over	204	—	—	—
9	Total circuit mileage¹	62,949	1,848	78	1,733
10	Per cent of total for Canada	100.00	2.94	0.12	2.75

¹ Includes all circuits, overhead or underground, of 22,000 volts and over whether described as transmission or distribution.

TABLE 11. Transformers With High Voltage Rating of 15 Kilovolts or Over at End of Year, 1939

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	Number	71,092	167	7	674
2	Total kva.	61,980,833	416,098	15,000	1,299,340

TABLE 9. Pole Line Mileage at End of Year, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
373	3,433	5,602	1,234	16	49	623	—	1
1	67	82	3	20	—	—	—	2
—	—	1	—	—	—	—	—	3
—	—	1	—	—	—	—	—	4
1,166	4,422	9,270	3,951	9,476	9,328	2,632	154	5
8,182	34,355	58,234	29,958	54,917	39,996	12,676	107	6
12	5	610	—	1	4	1	—	7
5	1,460	2,029	156	61	389	390	—	8
—	57	26	—	4	8	161	—	9
—	—	26	—	—	—	—	—	10
9,739	43,799	75,881	35,302	64,495	49,774	16,483	261	11
3.13	14.09	24.41	11.36	20.75	16.01	5.30	0.08	12

TABLE 10. Circuit Mileage of Electric Line at End of Year, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
137	3,342	6,771	1,846	7,140	6,416	283	5	1
1,078	1,789	219	1,611	1,402	1,968	2,520	32	2
262	2,426	6,765	1,770	946	1,230	964	100	3
—	544	—	—	—	—	—	—	4
—	1,071	4,088	—	—	—	267	—	5
—	—	—	—	—	—	—	—	6
—	2,094	—	—	—	—	—	—	7
—	—	—	1	—	—	203	—	8
1,477	11,266	17,843	5,228	9,488	9,614	4,237	137	9
2.35	17.90	28.34	8.31	15.07	15.27	6.73	0.22	10

TABLE 11. Transformers With High Voltage Rating of 15 Kilovolts or Over at End of Year, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
233	1,742	6,487	1,050	55,831	2,901	1,994	6	1
644,950	16,879,282	31,349,557	2,972,221	1,361,685	1,872,247	5,167,128	3,325	2

TABLE 12. Fuel Used to Generate Electricity, 1959

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
	Quantity of fuel:				
	Coal:				
1	Bituminous — Canadian short ton	569,007	—	—	426,057
2	Imported "	195,823	—	—	—
3	Sub-bituminous "	278,871	—	—	—
4	Saskatchewan lignite "	375,390	—	—	—
5	Other "	31	—	—	—
6	Total coal "	1,419,122	—	—	426,057
	Petroleum fuels:				
7	Furnace fuel oil — Light Imp. gallon	657,621	—	—	183,067
8	Heavy "	51,349,501	2,669,415	5,904,188	8,698,681
9	Diesel fuel oil "	10,636,880	401,435	398,018	160,430
10	Other "	—	—	—	—
11	Total petroleum fuels "	62,644,002	3,070,850	6,302,206	9,042,178
	Gas:				
12	Natural M cu. ft.	37,807,592	—	—	—
13	Manufactured "	—	—	—	—
14	Total gas "	37,807,592	—	—	—
15	Other fuels "	—	—	—	—
	Cost of fuel:				
	Coal:				
16	Bituminous — Canadian \$	5,916,047	—	—	4,484,380
17	Imported \$	1,688,222	—	—	—
18	Sub-bituminous \$	754,829	—	—	—
19	Saskatchewan lignite \$	727,965	—	—	—
20	Other \$	108	—	—	—
21	Total coal \$	9,087,171	—	—	4,484,380
	Petroleum fuels:				
22	Furnace fuel oil — Light \$	96,115	—	—	28,916
23	Heavy \$	3,122,625	183,149	359,445	566,258
24	Diesel fuel oil \$	2,021,475	77,676	71,702	28,700
25	Other \$	—	—	—	—
26	Total petroleum fuels \$	5,240,215	260,825	431,147	623,874
	Gas:				
27	Natural \$	4,957,671	—	—	—
28	Manufactured \$	—	—	—	—
29	Total gas \$	4,957,671	—	—	—
30	Other fuels \$	—	—	—	—
31	Total all fuels \$	19,285,057	260,825	431,147	5,108,254
32	Per cent of total for Canada	100.00	1.35	2.24	26.49

TABLE 12. Fuel Used to Generate Electricity, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
140,971	—	—	280	—	1,673	26	—	1
—	—	195,823	—	—	—	—	—	2
—	—	—	—	93,521	185,350	—	—	3
—	—	—	33,800	341,590	—	—	—	4
—	—	—	—	31	—	—	—	5
140,971	—	195,823	34,080	435,142	187,023	26	—	6
104,717	—	338,637	15,927	—	7,273	—	8,000	7
2,267,522	—	—	—	30,457,223	470,144	310,828	571,500	8
584,969	2,072,851	422,316	426,715	819,576	505,652	4,558,607	286,311	9
—	—	—	—	—	—	—	—	10
2,957,208	2,072,851	760,953	442,642	31,276,799	983,069	4,869,435	865,811	11
—	—	64,266	364,680	10,768,447	25,156,378	1,453,821	—	12
—	—	—	—	—	—	—	—	13
—	—	64,266	364,680	10,768,447	25,156,378	1,453,821	—	14
—	—	—	—	—	—	—	—	15
1,418,041	—	—	3,520	—	9,787	319	—	16
—	—	1,688,222	—	—	—	—	—	17
—	—	—	—	523,250	231,579	—	—	18
—	—	—	157,230	570,735	—	—	—	19
—	—	—	—	108	—	—	—	20
1,418,041	—	1,688,222	160,750	1,094,093	241,366	319	—	21
18,166	—	43,925	2,622	—	1,236	—	1,250	22
180,365	—	—	—	1,647,567	21,183	39,481	125,177	23
108,128	399,585	98,226	77,153	136,833	97,614	845,202	80,656	24
—	—	—	—	—	—	—	—	25
306,659	399,585	142,151	79,775	1,784,400	120,033	884,683	207,083	26
—	—	23,047	114,532	1,480,636	2,991,350	348,106	—	27
—	—	—	—	—	—	—	—	28
—	—	23,047	114,532	1,480,636	2,991,350	348,106	—	29
—	—	—	—	—	—	—	—	30
1,724,700	399,585	1,853,420	355,057	4,359,129	3,352,749	1,233,108	207,083	31
8.94	2.07	9.61	1.84	22.60	17.39	6.40	1.07	32

TABLE 12. Fuel Used to Generate Electricity, 1959 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated — Concluded:				
	Average B.t.u. content of fuel:				
	Coal:				
1	Bituminous — Canadian per pound	12, 044	—	—	12, 178
2	Imported "	12, 168	—	—	—
3	Sub-bituminous "	9, 098	—	—	—
4	Saskatchewan lignite "	6, 631	—	—	—
5	Other "	8, 300	—	—	—
	Petroleum fuels:				
6	Furnace fuel oil — Light per Imp. gal.	169, 951	—	—	178, 359
7	Heavy "	180, 094	176, 900	183, 000	180, 834
8	Diesel fuel oil "	165, 823	165, 946	162, 910	168, 409
9	Other "	—	—	—	—
	Gas:				
10	Natural per stand. cu ft. ¹	1, 011	—	—	—
11	Manufactured "	—	—	—	—
	Energy generated:²				
	By coal:				
12	Bituminous — Canadian '000 kwh.	945, 432	—	—	728, 280
13	Imported "	336, 679	—	—	—
14	Sub-bituminous "	305, 271	—	—	—
15	Saskatchewan lignite "	305, 221	—	—	—
16	Other "	500	—	—	—
17	Total coal "	1, 893, 103	—	—	728, 280
	By petroleum fuels:				
18	Furnace fuel oil — Light "	3, 110	—	—	1, 672
19	Heavy "	586, 693	30, 313	65, 631	120, 579
20	Diesel fuel oil "	145, 081	5, 352	5, 171	2, 157
21	Other "	—	—	—	—
22	Total petroleum fuels "	734, 884	35, 665	70, 802	124, 408
	By gas:				
23	Natural "	2, 653, 153	—	—	—
24	Manufactured "	—	—	—	—
25	Total gas "	2, 653, 153	—	—	—
26	By other fuels "	—	—	—	—
27	Total all fuels "	5, 281, 140	35, 665	70, 802	852, 688
28	Per cent of total for Canada	100. 00	0. 67	1. 34	16. 15

¹ Standard cubic foot — 760 mm. mercury, 60° F.

TABLE 12. Fuel Used to Generate Electricity, 1959 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
11,638	—	—	12,800	—	12,000	12,440	—	1
—	—	12,168	—	—	—	—	—	2
—	—	—	—	8,300	9,500	—	—	3
—	—	—	7,201	6,575	—	—	—	4
—	—	—	—	8,300	—	—	—	5
166,000	—	168,438	165,840	—	165,000	—	160,000	6
183,320	—	—	—	179,654	185,400	—	160,000	7
166,117	163,801	164,864	167,299	169,500	167,418	166,461	167,042	8
—	—	—	—	—	—	—	—	9
—	—	1,000	1,024	1,003	1,015	—	—	10
—	—	—	—	—	—	—	—	11
216,599	—	—	23	—	529	1	—	12
—	—	336,679	—	—	—	—	—	13
—	—	—	—	103,260	202,011	—	—	14
—	—	—	32,321	272,900	—	—	—	15
—	—	—	—	500	—	—	—	16
216,599	—	336,679	32,344	376,660	202,540	1	—	17
1,148	—	—	86	—	16	—	188	18
30,787	—	—	—	325,211	5,809	—	8,363	19
6,819	29,532	5,034	6,287	10,601	7,164	63,823	3,141	20
—	—	—	—	—	—	—	—	21
38,754	29,532	5,034	6,373	335,812	12,989	63,823	11,692	22
—	—	6,196	19,279	723,853	1,772,258	131,567	—	23
—	—	—	—	—	—	—	—	24
—	—	6,196	19,279	723,853	1,772,258	131,567	—	25
—	—	—	—	—	—	—	—	26
255,353	29,532	347,909	57,996	1,436,325	1,987,787	195,391	11,692	27
4.83	0.56	6.59	1.10	27.20	37.64	3.70	0.22	28

² Net output after deducting station service.

TABLE 13. Employees, Wages, and Salaries, 1959

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
	Employees (excluding construction employees):				
1	Administrative No.	17,010	167	21	562
2	Operating "	22,430	424	156	1,021
3	Total employees "	39,440	591	177	1,583
4	Per cent of total for Canada	100.00	1.50	0.45	4.01
	Wages and salaries (excluding construction employees):				
5	Administrative \$'000	82,014	484	111	2,178
6	Operating "	100,775	1,399	452	3,762
7	Total wages and salaries "	182,789	1,883	563	5,940
8	Per cent of total for Canada	100.00	1.03	0.31	3.25
	Publicly-operated:				
	Employees (excluding construction employees):				
9	Administrative No.	12,252	—	8	203
10	Operating "	16,433	—	16	421
11	Total employees "	28,685	—	24	624
12	Per cent of total for Canada	100.00	—	0.08	2.18
	Wages and salaries (excluding construction employees):				
13	Administrative \$'000	58,578	—	24	799
14	Operating "	74,927	—	40	1,288
15	Total wages and salaries "	133,505	—	64	2,087
16	Per cent of total for Canada	100.00	—	0.05	1.56
	Privately-operated:				
	Employees (excluding construction employees):				
17	Administrative No.	4,758	167	13	359
18	Operating "	5,997	424	140	600
19	Total employees "	10,755	591	153	959
20	Per cent of total for Canada	100.00	5.49	1.42	8.92
	Wages and salaries (excluding construction employees):				
21	Administrative \$'000	23,436	484	87	1,379
22	Operating "	25,848	1,399	412	2,474
23	Total wages and salaries "	49,284	1,883	499	3,853
24	Per cent of total for Canada	100.00	3.82	1.01	7.82

TABLE 13. Employees, Wages, and Salaries, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
437	4,875	7,342	894	707	697	1,250	58	1
757	4,880	9,218	1,630	1,680	1,259	1,309	96	2
1,194	9,755	16,560	2,524	2,387	1,956	2,559	154	3
3.03	24.73	41.99	6.40	6.05	4.96	6.49	0.39	4
1,709	21,923	37,880	3,814	3,227	3,199	7,206	283	5
2,495	20,211	44,835	6,535	7,610	5,873	7,165	438	6
4,204	42,134	82,715	10,349	10,837	9,072	14,371	721	7
2.30	23.05	45.25	5.66	5.93	4.96	7.86	0.40	8
397	2,369	7,216	891	678	277	166	47	9
684	2,000	8,931	1,630	1,547	573	566	65	10
1,081	4,369	16,147	2,521	2,225	850	732	112	11
3.77	15.23	56.29	8.79	7.76	2.96	2.55	0.39	12
1,539	9,710	37,215	3,802	3,065	1,188	1,010	226	13
2,184	8,330	43,444	6,535	7,002	2,812	3,021	271	14
3,723	18,040	80,659	10,337	10,067	4,000	4,031	497	15
2.79	13.51	60.42	7.74	7.54	3.00	3.02	0.37	16
40	2,506	126	3	29	420	1,084	11	17
73	2,880	287	—	133	686	743	31	18
113	5,386	413	3	162	1,106	1,827	42	19
1.05	50.08	3.84	0.03	1.51	10.28	16.99	0.39	20
170	12,213	665	12	162	2,011	6,196	57	21
311	11,881	1,391	—	608	3,061	4,144	167	22
481	24,094	2,056	12	770	5,072	10,340	224	23
0.98	48.89	4.17	0.02	1.56	10.29	20.98	0.46	24

TABLE 14. Assets and Liabilities at End of Year, 1959

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	3,468,408	70,350	3,738	71,476
2	Transmission	1,329,664	2,644	814	24,439
3	Distribution	1,447,317	15,519	1,956	43,980
4	Other property and equipment	325,347	3,984	2,818	21,746
5	Total	6,570,736	92,497	9,326	161,641
6	Accumulated depreciation	1,083,170	11,531	1,671	25,603
7	Total, less depreciation	5,487,566	80,966	7,655	136,038
8	Other fixed assets, less depreciation	261,031	—	528	2,237
9	Total fixed assets	5,748,597	80,966	8,183	138,275
	Current assets:				
10	Cash on hand and in banks	30,055	384	98	97
11	Temporary investments	155,381	301	45	3,440
12	Accounts receivable (net)	121,178	1,289	447	3,440
13	Inventories	85,030	1,228	264	2,602
14	Other	17,127	33	57	349
15	Total current assets	408,771	3,235	911	9,928
	Investments:				
16	In associated companies	50,586	1,850	—	3,484
17	Reserve fund investments	263,340	—	—	10,077
18	Other	18,464	120	—	353
19	Total investments	332,390	1,970	—	13,914
20	Deferred charges and prepaid expenses	263,716	93	70	491
21	Other assets	56,283	1,067	194	1,463
22	Total assets	6,809,757	87,331	9,358	164,071
	Liabilities:				
23	Long-term debt	4,213,792	41,782	2,642	88,206
	Current liabilities:				
24	Accounts payable and accrued liabilities	155,362	4,345	537	6,548
25	Loans and notes payable	84,527	5,146	935	2,783
26	Other	89,251	247	245	813
27	Total current liabilities	329,140	9,738	1,717	10,144
28	Reserves	602,913	100	416	20,411
29	Deferred credits and other liabilities	125,689	1,631	991	2,746
	Capital and surplus:				
30	Share capital	683,335	26,414	785	25,239
31	Surplus — Capital	54,418	2,529	704	4,077
32	Earned	800,470	5,137	2,103	13,248
33	Total capital and surplus	1,538,223	34,080	3,592	42,564
34	Total liabilities	6,809,757	87,331	9,358	164,071

TABLE 14. Assets and Liabilities at End of Year, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
75,823	1,072,040	1,446,451	135,673	82,701	98,184	397,607	14,365	1
23,900	350,297	637,197	31,339	59,409	58,582	138,586	2,457	2
37,511	360,556	514,881	93,058	78,301	67,343	233,489	723	3
2,733	77,047	104,383	30,928	8,362	12,805	59,149	1,392	4
139,967	1,859,940	2,702,912	290,998	228,773	236,914	828,831	18,937	5
22,891	402,747	359,678	53,095	52,522	49,723	99,833	3,876	6
117,076	1,457,193	2,343,234	237,903	176,251	187,191	728,998	15,061	7
5,052	34,390	23,556	36,253	27,233	4,940	107,489	19,353	8
122,128	1,491,583	2,366,790	274,156	203,484	192,131	836,487	34,414	9
887	5,785	12,355	3,909	672	1,307	1,559	3,002	10
10,703	57,170	41,219	3,727	7,334	1,852	29,589	1	11
5,159	27,413	48,308	5,097	7,119	4,733	16,837	1,336	12
1,828	14,780	37,693	2,175	8,447	4,976	10,684	353	13
134	7,278	4,494	941	565	386	2,890	—	14
18,711	112,426	144,069	15,849	24,137	13,254	61,559	4,692	15
26	41,217	—	5	57	3,802	15	130	16
1,067	1,439	227,289	21,981	—	968	20	499	17
3	12,011	149	2,927	710	781	1,410	—	18
1,096	54,667	227,438	24,913	767	5,551	1,445	629	19
3,780	4,103	234,091	979	243	789	19,061	16	20
13	16,853	4,359	87	18,054	1,135	12,802	256	21
145,728	1,679,632	2,976,747	315,984	246,685	212,860	931,354	40,007	22
106,615	974,406	1,881,658	238,071	183,968	100,387	560,590	35,467	23
5,541	39,621	39,166	5,978	4,738	11,447	36,050	1,391	24
22,152	4,462	2,780	6,077	473	4,808	34,581	330	25
19	13,940	25,891	38,150	3,212	4,230	2,248	256	26
27,712	58,023	67,837	50,205	8,423	20,485	72,879	1,977	27
4,092	273,352	250,688	17,318	962	27,227	7,320	1,027	28
402	30,640	7,976	149	34,256	8,623	38,231	44	29
2,689	254,677	126,524	31	1,776	27,263	217,882	55	30
2,300	7,144	15,754	4,788	10,950	728	5,069	375	31
1,918	81,390	626,310	5,422	6,350	28,147	29,383	1,062	32
6,907	343,211	768,588	10,241	19,076	56,138	252,334	1,492	33
145,728	1,679,632	2,976,747	315,984	246,685	212,860	931,354	40,007	34

TABLE 14. Assets and Liabilities at End of Year, 1959 — Continued

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	2,483,760	—	462	36,704
2	Transmission	1,007,603	—	124	8,118
3	Distribution	986,462	—	337	18,895
4	Other property and equipment	179,223	—	71	1,256
5	Total	4,657,048	—	994	64,973
6	Accumulated depreciation	661,239	—	—	1,665
7	Total, less depreciation	3,995,809	—	994	63,308
8	Other fixed assets, less depreciation	125,850	—	265	441
9	Total fixed assets	4,121,659	—	1,259	63,749
	Current assets:				
10	Cash on hand and in banks	22,904	—	—	317
11	Temporary investments	110,466	—	—	188
12	Accounts receivable (net)	76,575	—	64	1,502
13	Inventories	64,092	—	19	843
14	Other	13,174	—	56	302
15	Total current assets	287,211	—	139	3,152
	Inventories:				
16	In associated companies	3	—	—	—
17	Reserve fund investments	262,152	—	—	9,995
18	Other	11,907	—	—	307
19	Total investments	274,062	—	—	10,302
20	Deferred charges and prepaid expenses	245,171	—	—	122
21	Other assets	41,868	—	164	65
22	Total assets	4,969,971	—	1,562	77,390
	Liabilities:				
23	Long-term debt	3,326,345	—	246	48,242
	Current liabilities:				
24	Accounts payable and accrued liabilities	77,449	—	24	2,826
25	Loans and notes payable	58,343	—	35	2,289
26	Other	79,038	—	80	394
27	Total current liabilities	214,830	—	139	3,509
28	Reserves	590,757	—	398	18,013
29	Deferred credits and other liabilities	53,642	—	75	265
	Capital and surplus:				
30	Share capital	116,613	—	—	—
31	Surplus — Capital	36,974	—	704	3,119
32	Earned	630,810	—	—	2,242
33	Total capital and surplus	784,397	—	704	5,361
34	Total liabilities	4,969,971	—	1,562	77,390

TABLE 14. Assets and Liabilities at End of Year, 1959 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
74,096	587,814	1,406,993	135,673	64,072	20,187	144,246	13,513	1
23,440	212,279	627,685	31,339	58,196	11,084	32,917	2,421	2
35,623	188,945	506,830	92,706	76,119	29,903	37,104	—	3
1,887	27,918	99,981	30,803	7,417	2,644	6,035	1,211	4
135,046	1,016,956	2,641,489	290,521	205,804	63,818	220,302	17,145	5
21,360	159,237	341,894	52,894	38,621	19,234	22,819	3,515	6
113,686	857,719	2,299,595	237,627	167,183	44,584	197,483	13,630	7
5,052	15,537	12,810	36,253	27,233	4,585	4,354	19,320	8
118,738	873,256	2,312,405	273,880	194,416	49,169	201,837	32,950	9
753	1,095	11,872	3,902	648	843	582	2,892	10
10,703	47,517	40,833	3,727	6,948	550	—	—	11
3,536	9,935	45,206	5,051	6,982	1,119	2,116	1,064	12
1,789	8,433	37,320	2,175	8,092	2,775	2,315	331	13
134	6,396	4,444	941	565	334	2	—	14
16,915	73,376	139,675	15,796	23,235	5,621	5,015	4,287	15
—	3	—	—	—	—	—	—	16
1,067	427	227,215	21,981	—	968	—	499	17
3	7,431	—	2,926	710	530	—	—	18
1,070	7,861	227,215	24,907	710	1,498	—	499	19
3,774	674	233,339	979	215	—	6,056	12	20
13	6,733	4,148	87	18,050	—	12,352	256	21
140,510	961,900	2,916,782	315,649	236,626	56,288	225,260	38,004	22
105,591	651,619	1,856,669	238,071	181,505	26,361	182,983	35,058	23
5,312	14,014	37,373	5,951	4,367	2,762	3,667	1,153	24
22,152	1,221	826	6,077	383	8	25,352	—	25
11	9,732	25,789	37,935	2,154	1,444	1,243	256	26
27,475	24,967	63,988	49,963	6,904	4,214	30,262	1,409	27
3,987	269,933	250,675	17,318	845	24,000	4,561	1,027	28
400	9,179	6,736	87	33,895	939	2,066	—	29
—	834	115,263	—	205	1	310	—	30
1,846	4,740	5,887	4,788	10,897	12	4,981	—	31
1,211	628	617,564	5,422	2,375	761	97	510	32
3,057	6,202	738,714	10,210	13,477	774	5,388	510	33
140,510	961,900	2,916,782	315,649	236,626	56,288	225,260	38,004	34

TABLE 14. Assets and Liabilities at End of Year, 1959 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Privately-operated:				
	Assets:				
	Fixed Assets:				
	Electric utility (at original cost):				
1	Generating plant	984,648	70,350	3,276	34,772
2	Transmission	322,061	2,644	690	16,321
3	Distribution	460,855	15,519	1,619	25,085
4	Other property and equipment	146,124	3,984	2,747	20,490
5	Total	1,913,688	92,497	8,332	96,668
6	Accumulated depreciation	421,931	11,531	1,671	23,938
7	Total, less depreciation	1,491,757	80,966	6,661	72,730
8	Other fixed assets, less depreciation	135,181	—	263	1,796
9	Total fixed assets	1,626,938	80,966	6,924	74,526
	Current assets:				
10	Cash on hand and in banks	7,151	384	98	-220
11	Temporary investments	44,915	301	45	3,252
12	Accounts receivable (net)	44,603	1,289	383	1,938
13	Inventories	20,938	1,228	245	1,759
14	Other	3,953	33	1	47
15	Total current assets	121,560	3,235	772	6,776
	Investments:				
16	In associated companies	50,583	1,850	—	3,484
17	Reserve fund investments	1,188	—	—	82
18	Other	6,557	120	—	46
19	Total investments	58,328	1,970	—	3,612
20	Deferred charges and prepaid expenses	18,545	93	70	369
21	Other assets	14,415	1,067	30	1,398
22	Total assets	1,839,786	87,331	7,796	86,681
	Liabilities:				
23	Long-term debt	887,447	41,782	2,396	39,964
	Current Liabilities:				
24	Accounts payable and accrued liabilities	77,913	4,345	513	3,722
25	Loans and notes payable	26,184	5,146	900	494
26	Other	10,213	247	165	419
27	Total current liabilities	114,310	9,738	1,578	4,635
28	Reserves	12,156	100	18	2,398
29	Deferred credits and other liabilities	72,047	1,631	916	2,481
	Capital and surplus:				
30	Share capital	566,722	26,414	785	25,239
31	Surplus — Capital	17,444	2,529	—	958
32	Earned	169,660	5,137	2,103	11,006
33	Total capital and surplus	753,826	34,080	2,888	37,203
34	Total liabilities	1,839,786	87,331	7,796	86,681

TABLE 14. Assets and Liabilities at End of Year, 1959 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
1,727	484,226	39,458	—	18,629	77,997	253,361	852	1
460	138,018	9,512	—	1,213	47,498	105,669	36	2
1,888	171,611	8,051	352	2,182	37,440	196,385	723	3
846	49,129	4,402	125	945	10,161	53,114	181	4
4,921	842,984	61,423	477	22,969	173,096	608,529	1,792	5
1,531	243,510	17,784	201	13,901	30,489	77,014	361	6
3,390	599,474	43,639	276	9,068	142,607	531,515	1,431	7
—	18,853	10,746	—	—	355	103,135	33	8
3,390	618,327	54,385	276	9,068	142,962	634,650	1,464	9
134	4,690	483	7	24	464	977	110	10
—	9,653	386	—	386	1,302	29,589	1	11
1,623	17,478	3,102	46	137	3,614	14,721	272	12
39	6,347	373	—	355	2,201	8,369	22	13
—	882	50	—	—	52	2,888	—	14
1,796	39,050	4,394	53	902	7,633	56,544	405	15
26	41,214	—	5	57	3,802	15	130	16
—	1,012	74	—	—	—	20	—	17
—	4,580	149	1	—	251	1,410	—	18
26	46,806	223	6	57	4,053	1,445	130	19
6	3,429	752	—	28	789	13,005	4	20
—	10,120	211	—	4	1,135	450	—	21
5,218	717,732	59,965	335	10,059	156,572	706,094	2,003	22
1,024	322,787	24,989	—	2,463	74,026	377,607	409	23
229	25,607	1,793	27	371	8,685	32,383	238	24
—	3,241	1,954	—	90	4,800	9,229	330	25
8	4,208	102	215	1,058	2,786	1,005	—	26
237	33,056	3,849	242	1,519	16,271	42,617	568	27
105	3,419	13	—	117	3,227	2,759	—	28
2	21,461	1,240	62	361	7,684	36,165	44	29
2,689	253,843	11,261	31	1,571	27,262	217,572	55	30
454	2,404	9,867	—	53	716	88	375	31
707	80,762	8,746	—	3,975	27,386	29,286	552	32
3,850	337,009	29,874	31	5,599	55,364	246,946	982	33
5,218	717,732	59,965	335	10,059	156,572	706,094	2,003	34

TABLE 15. Income Account, 1959

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Operating revenue:				
1	Sale of electricity ¹	963,200	10,541	2,465	32,169
2	Other	48,991	258	4	266
3	Total operating revenue	1,012,191	10,799	2,469	32,435
	Operating expense:				
4	Operation, maintenance and administration	318,856	3,062	1,171	14,160
5	Power purchased	209,405	617	103	5,079
6	Depreciation	123,332	2,066	305	4,016
7	Total operating expense	651,593	5,745	1,579	23,255
8	Operating income	360,597	5,054	890	9,180
9	Other income	16,680	35	19	317
10	Total income	377,277	5,089	909	9,497
	Income deductions:				
11	Interest on long-term debt	164,034	1,632	136	3,548
12	Income tax	50,435	1,505	297	2,379
13	Other deductions	45,565	183	74	613
14	Total income deductions	260,034	3,320	507	6,540
15	Net income	117,243	1,769	402	2,957
	Publicly-operated:				
	Operating revenue:				
16	Sale of electricity ¹	653,167	—	430	9,780
17	Other	9,506	—	—	49
18	Total operating revenue	662,673	—	430	9,829
	Operating expense:				
19	Operation, maintenance and administration	193,709	—	173	3,473
20	Power purchased	162,404	—	76	2,894
21	Depreciation	77,374	—	41	800
22	Total operating expense	433,487	—	290	7,167
23	Operating income	229,186	—	140	2,662
24	Other income	5,439	—	18	25
25	Total income	234,625	—	158	2,687
	Income deductions:				
26	Interest on long-term debt	129,020	—	15	1,871
27	Income tax	3,627	—	—	7
28	Other deductions	42,314	—	74	596
29	Total income deductions	174,961	—	89	2,474
30	Net income	59,664	—	69	213
	Privately-operated:				
	Operating revenue:				
31	Sale of electricity ¹	310,033	10,541	2,035	22,389
32	Other	39,485	258	4	217
33	Total operating revenue	349,518	10,799	2,039	22,606
	Operating expense:				
34	Operation, maintenance and administration	125,147	3,062	998	10,687
35	Power purchased	47,001	617	27	2,185
36	Depreciation	45,958	2,066	264	3,216
37	Total operating expense	218,106	5,745	1,289	16,088
38	Operating income	131,411	5,054	750	6,518
39	Other income	11,241	35	1	292
40	Total income	142,652	5,089	751	6,810
	Income deductions:				
41	Interest on long-term debt	35,014	1,632	121	1,677
42	Income tax	46,808	1,505	297	2,372
43	Other deductions	3,251	183	—	17
44	Total income deductions	85,073	3,320	418	4,066
45	Net income	57,579	1,769	333	2,744

¹ This table is a composite summation of all the reports received. Revenue from the sale of electricity, therefore, includes duplications arising from inter-utility sales and is larger than the revenue shown in Table 7.

TABLE 15. Income Account, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
24,800	251,962	414,275	43,090	32,491	58,094	89,845	3,468	1
132	5,874	2,671	2,716	82	821	35,894	273	2
24,932	257,836	416,946	45,806	32,573	58,915	125,739	3,741	3
9,324	72,825	116,108	16,112	14,192	16,542	53,980	1,380	4
4,983	41,877	129,412	11,397	2,468	9,793	3,102	574	5
4,191	30,737	40,784	8,208	7,086	6,464	19,419	56	6
18,498	145,439	286,304	35,717	23,746	32,799	76,501	2,010	7
6,434	112,397	130,642	10,089	8,827	26,115	49,238	1,731	8
5	6,972	—	1,140	1,504	529	6,141	18	9
6,439	119,369	130,642	11,229	10,331	26,644	55,379	1,749	10
4,790	34,793	76,211	7,687	6,322	4,585	23,800	530	11
347	24,921	2,213	—	389	6,012	12,246	126	12
487	7,873	31,317	1,455	546	1,678	791	548	13
5,624	67,587	109,741	9,142	7,257	12,275	36,837	1,204	14
815	51,782	20,901	2,087	3,074	14,369	18,542	545	15
20,590	97,511	400,050	42,537	29,060	27,253	23,716	2,240	16
113	3,110	2,579	2,715	37	486	150	267	17
20,703	100,621	402,629	45,252	29,097	27,739	23,866	2,507	18
8,400	24,576	112,880	16,055	12,359	7,371	7,407	1,015	19
2,654	5,842	126,323	10,920	2,366	9,172	2,110	47	20
3,996	12,357	39,250	8,189	6,496	1,360	4,885	—	21
15,050	42,775	278,453	35,164	21,221	17,903	14,402	1,062	22
5,653	57,846	124,176	10,088	7,876	9,836	9,464	1,445	23
4	2,376	—	1,140	1,477	1	398	—	24
5,657	60,222	124,176	11,228	9,353	9,837	9,862	1,445	25
4,729	23,244	75,117	7,687	6,186	1,320	8,344	507	26
—	3,557	—	—	—	—	63	—	27
469	6,454	30,663	1,455	543	1,440	72	548	28
5,198	33,255	105,780	9,142	6,729	2,760	8,479	1,055	29
459	26,967	18,396	2,086	2,624	7,077	1,383	390	30
4,210	154,451	14,225	553	3,431	30,841	66,129	1,228	31
19	2,764	92	1	45	335	35,744	6	32
4,229	157,215	14,317	554	3,476	31,176	101,873	1,234	33
924	48,249	3,228	57	1,833	9,171	46,573	365	34
2,329	36,035	3,089	477	102	621	992	527	35
195	18,380	1,534	19	590	5,104	14,534	56	36
3,448	102,664	7,851	553	2,525	14,896	62,099	948	37
781	54,551	6,466	1	951	16,279	39,774	286	38
1	4,596	—	—	27	528	5,743	18	39
782	59,147	6,466	1	978	16,807	45,517	304	40
61	11,549	1,094	—	136	3,265	15,456	23	41
347	21,364	2,213	—	389	6,012	12,183	126	42
18	1,419	654	—	3	238	719	—	43
426	34,332	3,961	—	528	9,515	28,358	149	44
356	24,815	2,505	1	450	7,292	17,159	155	45

TABLE 16. Taxes, 1959

	Canada	New- foundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
thousands of dollars						
Electric utilities — Publicly and privately-operated:						
Municipal	16,909	62	46	1,315	133	5,074
Provincial	12,673	20	1	4	32	10,270
Federal	41,525	1,505	297	2,372	342	16,987
Total taxes	71,107	1,587	344	3,691	507	32,331
Per cent of total for Canada	100.00	2.23	0.48	5.19	0.71	45.47
Publicly-operated:						
Municipal	8,050	—	—	125	5	781
Provincial	3,070	—	—	1	2	2,803
Federal	1,687	—	—	—	6	145
Total taxes	12,807	—	—	126	13	3,729
Per cent of total for Canada	100.00	—	—	0.98	0.10	29.12
Privately-operated:						
Municipal	8,859	62	46	1,190	128	4,293
Provincial	9,603	20	1	3	30	7,467
Federal	39,838	1,505	297	2,372	336	16,842
Total taxes	58,300	1,587	344	3,565	494	28,602
Per cent of total for Canada	100.00	2.72	0.59	6.11	0.85	49.06
	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.
Electric utilities — Publicly and privately-operated:						
Municipal	5,051	555	385	1,875	2,409	4
Provincial	587	—	7	12	1,739	1
Federal	2,517	—	389	5,319	11,676	121
Total taxes	8,155	555	781	7,206	15,824	126
Per cent of total for Canada	11.47	0.78	1.10	10.14	22.25	0.18
Publicly-operated:						
Municipal	4,398	555	308	1,601	277	—
Provincial	254	—	—	—	10	—
Federal	1,236	—	—	—	300	—
Total taxes	5,888	555	308	1,601	587	—
Per cent of total for Canada	45.98	4.33	2.40	12.50	4.59	—
Privately-operated:						
Municipal	653	—	77	274	2,132	4
Provincial	333	—	7	12	1,729	1
Federal	1,281	—	389	5,319	11,376	121
Total taxes	2,267	—	473	5,605	15,237	126
Per cent of total for Canada	3.89	—	0.81	9.61	26.14	0.22

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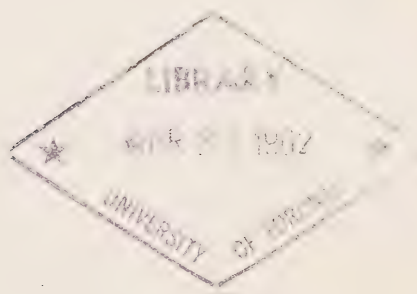


Canada. Statistics, Bureau of

111

ELECTRIC POWER STATISTICS

1960



DOMINION BUREAU OF STATISTICS

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Public Finance and Transportation Division
Public Utilities Section

ELECTRIC POWER STATISTICS
1960

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Annual		
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SYMBOLS

The interpretation of the symbols used in the text and tables throughout this publication is as follows:

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

^r revised figures.

ELECTRIC POWER STATISTICS

1960

Statistics presented in this report fall into two main categories: statistics based on the combined reports of electric utilities and industrial establishments, and statistics based on data received from utilities only. Utilities are defined as companies, commissions, municipalities or individuals whose primary function is to sell most of the electric energy which they have either generated or purchased. They are referred to as the electric utility industry. Industrial establishments are defined, for the purpose of this report, as companies or individuals which generate electricity mainly for their own use. Statistics based on the combined reports of both utilities and industrial establishments include generating capacity, production and disposal of electric energy, revenue received from the sale of electricity, and customers. Statistics applicable only to the electric utility industry include pole line, circuit mileage, transformers, fuel consumption, employees, wages and salaries and other financial data.

The current series of electric power statistics dates back only to 1956. Earlier reports entitled "Central Electric Stations" were concerned solely with the electric utility industry and hence excluded statistics relating to power produced by industrial establishments for own use. Data relating to power sold by industrial establishments was, however, included.

In the revised series, all firms are classed as either utilities or industrial establishments and separate statistics are compiled for each group. Energy disposed of by industrial establishments is then combined with that disposed of by utilities in order to present statistics roughly comparable with those compiled for the electric utility industry in earlier years. One major difference is that many blocks of energy formerly classed as sales are now treated as produced for own use, since the transfer of energy was found to be between plants within the same organization.

In 1956, because of the difficulty of separating line losses of industrial producers into losses relating to sales and losses relating to energy produced for own use, total industrial losses were presented under "Disposal of Energy" in Table 5. Commencing with 1957, losses associated with energy generated for own use are shown as a separate item under "Energy Made Available", Table 4.

A comprehensive census of generating equipment conducted in December 1958 has resulted in refinements to the installed generating capacity series presented in this report. Where possible, revisions have been made in 1957 figures to make them consistent with those compiled for 1958.

Total installed generating capacity in Canada at the end of 1960 amounted to 23,035,002 kilowatts, 9.5 per cent more than the revised total of 21,128,370^r kilowatts in 1959. Utilities accounted for 18,418,749 kilowatts compared with 16,856,290^r kilowatts in 1959, while industry had a capacity of 4,616,253 kilowatts and 4,272,080^r kilowatts in 1960 and 1959, respectively. Hydraulic installations accounted for 80.9 per cent of the total and thermal plants, 19.1 per cent, as compared to 83.1 and 16.9, respectively, in 1959.

Quebec had the largest generating capacity at 8,920,347 kilowatts or 39 per cent of the national total, followed by Ontario with 31 per cent and British Columbia with 13 per cent. The largest increase in generating capacity was in Quebec, where the increase amounted to 773,113 kilowatts. Ontario increased its capacity by 407,528 kilowatts, Manitoba by 267,400, British Columbia by 249,783, Alberta by 148,829 and Newfoundland by 39,437 kilowatts.

The largest thermal generating capacities were in Ontario with 35 per cent, Saskatchewan with 15 per cent, Alberta with 14 per cent, British Columbia with 10 per cent and Nova Scotia with 8 per cent.

The greatest increase in capacity occurred in Quebec, where the following hydraulic units were installed: 2 units with a capacity of 148,500 kilowatts each at Chute des PASSES, 2 units of 114,000 kilowatts each at Bersimis II completing the installation with a total 5 units, and 3 units of 55,250 kilowatts each at the Beauharnois Section 3 plant.

In Ontario, two units of 200,000 kilowatts each were added at the Richard L. Hearn thermal plant.

In Alberta, hydraulic units were installed at the Rundle and Spray plants, totalling 70,150 kilowatts of added capacity. In addition to this, a 75,000 kilowatt steam unit was put into operation at Edmonton.

In British Columbia, two more units of 62,000 kilowatts each were installed at the Bridge River No. II hydro-electric plant at Shalalth.

Net generation (total generation less energy used in station service) increased 7.3 per cent in 1960 to 114,377,933 thousand kilowatt hours from 104,628,483^r thousand kilowatt hours one year earlier. Generation by electric utilities increased 7.3 per cent to 89,077,140 thousand kilowatt hours from 83,048,885 thousand but accounted for 77.9 per cent of total production compared with 79.4 per cent in 1959. Generation by industry went up to 25,300,793 thousand kilowatt hours from 21,579,598^r

thousand a year earlier. The industry's share of net generation increased to 22.1 per cent in 1960 from 20.6 per cent in 1959. Generation from hydraulic facilities amounted to 92.6 per cent while thermal was 7.4 per cent. Although Quebec had 39 per cent of the total generating capacity in Canada, it accounted for 44 per cent of the total generation, followed by Ontario with 31 per cent and British Columbia with 12 per cent.

Electric Energy consumption increased 6.8 per cent, although total generation increased 9.3 per cent. As a result, imports were decreased to 356,878 thousand kilowatt-hours from 512,002 thousand and exports increased 6.8 per cent to 86,378,084 thousand kilowatt-hours from 80,879,601 thousand.

Of the total reported available for use in Canada in 1960, some 22,861,155,000 kilowatt-hours, including 709,683,000 estimated as losses, represented generation by industrial establishments for own use. This compares with 19,680,265,000 kilowatt-hours in 1959 and reflects an increase of 3,180,890,000 kilowatt-hours or 16.2 per cent.

Total sales of electricity to ultimate customers increased 6.9 per cent in 1960 to 76,829,969,000 kilowatt-hours from the 1959 total of 71,888,110,000. Power customers purchased 46,927,464,000 kilowatt-hours or 61.1 per cent of the total (61.5 per cent in 1959); domestic and farm customers, 20,391,857,000 or 26.5 per cent (26.4 in 1959); and commercial customers, 8,853,507,000 or 11.5 per cent (11.2). Street lighting accounted for the remaining 657,141,000 kilowatt-hours of electricity sold. In addition, some 9,548,115,000 kilowatt-hours of energy available for disposal were reported lost or unaccounted for. This compares with 8,991,491,000 kilowatt-hours in 1959.

A 3.4 per cent rise in ultimate customers brought the total to 5,188,252 from 5,018,720 in 1959. Domestic and farm customers increased 3.7 per cent to 4,542,780 from 4,381,564, while the number of commercial customers showed a moderate rise to 534,696 from 528,579. Power customers rose 1.8 per cent in 1960 to 105,393 from 103,507.

Revenue received from sales to ultimate customers totalled \$805,336,000, up 6.6 per cent from the 1959 total of \$755,772,000. Domestic and farm customers produced revenues of \$325,946,000 versus \$305,662,000; commercial customers, \$151,522,000 versus \$141,518,000; power customers, \$311,702,000 versus \$293,787,000 and street lighting customers, \$16,166,000 versus \$14,805,000. Revenue obtained from export sales amounted to \$14,351,000 compared with \$13,895,000 in 1959.

There was little change in the average domestic and farm service revenue per kilowatt-hour, which was 1.60 cents.

The average annual bill for domestic and farm customers rose 2.9 per cent in 1960 to \$71.75 from \$69.76 in 1959. The increase was due to a rise in average consumption of 3.5 per cent to 4,489

kilowatt-hours from 4,338. Averages varied widely from province to province, the low of 1,625 kilowatt-hours being recorded in Prince Edward Island and the high of 6,184 kilowatt-hours being registered in Manitoba. While many utilities do not distinguish between farm and domestic customers in their records, those that have reported farm service separately show an average rise of 6.3 per cent to 4,345 kilowatt-hours from 4,086 in consumption and an increase in the average annual bill to \$96.49 from \$93.05. The average cost of farm service dropped from 2.28 to 2.22 cents per kilowatt-hour.

Electric utilities reported an expenditure of \$21,332,233 on fuel for thermal electric plants in 1960, an increase of 10.6 per cent from the \$19,285,057 reported one year earlier. The amount spent on oil increased 22.1 per cent to \$6,395,850 from \$5,240,215 and on natural gas 3.8 per cent to \$5,144,747 from \$4,957,671. At the same time, expenditures for coal rose 7.8 per cent to \$9,791,636 from \$9,087,171.

Coal accounted for 41.1 per cent of total thermal generation in 1960 against 35.9 per cent in 1959, while natural gas was responsible for 45.8 per cent compared with 50.2 per cent one year earlier. Production based on petroleum fuels increased 5.2 per cent over the 1959 figure. Production from natural gas increased in Ontario, Alberta and British Columbia but decreased in Manitoba and Saskatchewan, where the generation from lignite coal increased by 78.7 and 138.2 per cent, respectively. Total generation by lignite coal in Manitoba and Saskatchewan in 1960 more than doubled the 1959 figure.

Wages and salaries paid by the electric utility industry amounted to \$190,099,000 in 1960, a rise of 4.0 per cent over the \$182,789,000 reported in 1959. Publicly-operated utilities reported wages and salaries totalling \$140,878,000 in 1960, up 5.5 per cent from the \$133,505,000 in 1959, while privately-operated utilities paid \$49,221,000 as against \$49,284,000—a slight decrease from 1959. Employees, excluding construction workers, increased in number to 41,059 from 39,440. A total of 30,559 were employed by publicly-operated utilities versus 28,685 in 1959, and 10,500 by privately-operated utilities versus 10,755 one year earlier.

Total assets of the electric utility industry stood at \$7,172,697,000 at the end of 1960 compared with \$6,809,757,000 one year earlier, a rise of \$362,940,000 or 5.3 per cent. Total electric utility fixed assets amounted to \$6,983,543,000 as against \$6,570,736,000 in 1959, an increase of \$412,807,000. Much of this increase in fixed assets was financed by an increase of \$233,694,000 in long-term debt.

Operating revenues of electric utilities were 7.2 per cent higher in 1960, rising to \$1,090,575,000 from the 1959 total of \$1,016,970,000. Operating expenses rose 7.1 per cent to \$700,366,000 from \$653,759,000 and operating income increased 7.4 per cent to a new high of \$390,209,000. Net income

in 1960, however, decreased 13.2 per cent to \$103,137,000 from \$118,887,000^r, due to a rise of 17 per cent in income deductions.

Federal, provincial and municipal taxes paid by electric utilities in 1960 amounted to \$76,440,000, a rise of 7.4 per cent over the \$71,180,000^r paid in 1959. Federal taxes increased to \$43,883,000 from \$41,525,000, provincial taxes to \$13,999,000 from \$12,673,000 and municipal taxes to \$18,558,000 from \$16,982,000^r.

Capital and repair expenditures (Table 16) is a new addition to the report. Utilities' expenditures on capital and repair projects for generating transmission and distribution facilities have declined from 475 million dollars in 1958 to 365 million in 1959 and 322 million in 1960.

Table 17 provides an industry analysis of electric energy consumption based in part on data collected by the Industry and Merchandising Division of the Dominion Bureau of Statistics. Since Industry and Merchandising reports are concerned primarily with consumers rather than producers of electric energy and are completed on the basis of different concepts and for different reporting periods, considerable difficulty is encountered in reconciling the two sets of data. For example, energy transferred between two establishments within the same organi-

zation may be reported under purchases in Industry and Merchandising reports but as produced for own use in Electric Power Statistics reports.

In order to bring the different concepts to a common basis, the "generated for own use" and "purchased" figures are adjusted from the figures published by the Industry and Merchandising Division and are in conformity with the concepts used in "Electric Power Statistics".

The historical summary (published for the first time) of total supply and demand, 1947-59, includes revisions of previous figures issued by the Bureau and is part of a comprehensive study of supply and demand by province which will be forthcoming at a later date.

In the thirteen years, 1947-59, total generation has increased at a rate of 6.8 per cent¹ per year; however, thermal generation has increased 10.2 per cent and hydro 6.6 per cent per annum.

The major demand for electrical energy has been manufacturing, which took 67 per cent of the total domestic demand in 1947 but only 54 per cent in 1959. Pulp and paper has been the major consuming industry followed by mining and smelting.

¹ Compound.

TABLE 1. Comparative Summary, 1957-60

No.			Canada			
			1960	1959	1958	1957
	Installed generating capacity (Table 2):					
1	Hydro	kw.	18,643,233	17,549,976	15,687,198	14,112,829
2	Thermal	"	4,391,769	3,578,394 ^r	2,982,220	2,615,410
3	Total installed generating capacity	"	23,035,002	21,128,370^r	18,669,418	16,728,239
	Energy made available (Tables 3 and 4):					
4	Generated—Hydro	'000 kwh.	105,882,773	97,039,830	90,509,200	83,373,220
5	Thermal	"	8,495,160	7,588,653	6,975,089	7,686,771
6	Total generation	"	114,377,933	104,628,483	97,484,289	91,059,991
7	Imported from other Provinces .....	"	...	...	...	...
8	Imported from United States	"	356,878	512,002	245,062	569,260
9	Exported to other Provinces .....	"	...	...	...	...
10	Exported to United States	"	5,495,572	4,580,619	4,074,513	4,829,843
11	Total made available in Canada	"	109,239,239	100,559,866	93,654,838	86,799,408
	Generated for use in own plant:					
12	Excluding consumption in electric boilers	"	20,005,325	17,173,219	} 19,535,007	17,875,164
13	Consumed in electric boilers	"	2,146,147	1,851,955		
14	Losses	"	709,683	655,091			513,726	498,949
15	Total generated for own use	"	22,861,155	19,680,265	20,048,733	18,374,113
16	Total available for disposal in Canada	"	86,378,084	80,879,601	73,606,105	68,425,295
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
17	Domestic and farm	"	20,391,857	19,007,111	17,290,984	15,857,618
18	Commercial	"	8,853,507	8,058,275	7,224,949	6,112,574
19	Power—Excluding deliveries to electric					
20	boilers	"	41,715,903	39,698,251	35,838,523	35,963,723
21	Deliveries to electric boilers	"	5,211,561	4,521,543	4,414,532	2,098,166
22	Street lighting	"	657,141	602,930	554,733	511,439
23	Total sold to ultimate customers	"	76,829,969	71,888,110	65,323,721	60,543,520
24	Losses and unaccounted for	"	9,548,115	8,991,491	8,282,384	7,881,775
25	Total disposed of in Canada	"	86,378,084	80,879,601	73,606,105	68,425,295
	Customers (Table 6):					
	Ultimate customers in Canada:					
26	Domestic and farm	No.	4,542,780	4,381,564	4,188,946	4,004,200
27	Commercial	"	534,696	528,579	516,018	506,509
28	Power	"	105,393	103,507	99,818	95,720
29	Street lighting	"	5,383	5,070	4,852	4,749
30	Total ultimate customers	"	5,188,252	5,018,720	4,809,634	4,611,178
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
31	Domestic and farm	\$'000	325,946	305,662	278,531	257,038
32	Commercial	"	151,522	141,518	131,844	119,501
33	Power—Excluding deliveries to electric					
34	boilers	"	303,562	286,675	262,794	248,016
35	Deliveries to electric boilers	"	8,140	7,112	5,327	3,537
36	Street lighting	"	16,166	14,805	13,207	11,906
37	Total revenue from ultimate customers	"	805,336	755,772	691,703	639,998
	Employees, salaries and wages (Table 12):					
38	Total employees (excluding construction)	No.	41,059	39,440	39,394	37,817
39	Total wages and salaries (excluding construction)	\$'000	190,099	182,789	170,211	153,952

TABLE 1. Comparative Summary, 1957-60

Newfoundland				Prince Edward Island				No.
1960	1959	1958	1957	1960	1959	1958	1957	
257,430	244,830	245,530	218,670	155	155	155	140	1
56,264	29,427	34,196	29,433	37,205	25,486	25,486	25,384	2
313,694	274,257	279,726	248,103	37,360	25,641	25,641	25,524	3
1,424,677	1,370,826	1,340,843	1,313,396	415	340	537	370	4
86,882	77,812	70,329	62,313	79,037	70,802	62,497	56,618	5
1,511,559	1,448,638	1,411,172	1,375,709	79,452	71,142	63,034	56,988	6
—	—	—	8,504	—	—	—	—	7
—	—	—	—	—	—	—	—	8
84,714	41,293	36,974	44,620	—	—	—	—	9
—	—	—	—	—	—	—	—	10
1,426,845	1,407,345	1,374,198	1,339,593	79,452	71,142	63,034	56,988	11
306,836	322,462	357,134	334,909	—	—	104	98	12
35,000	27,597		4,457	—	—		9	13
—	9,836		339,366	—	—		107	14
341,836	359,895	364,873	339,366	—	—	104	107	15
1,085,009	1,047,450	1,009,325	1,000,227	79,452	71,142	62,930	56,881	16
169,481	160,820	138,766	132,678	30,130	27,033	23,103	20,560	17
50,429	41,809	37,969	35,511	20,511	19,894	19,507	18,088	18
722,242	652,209	473,319	643,156	14,182	11,942	8,721	7,872	19
36,282	84,878	251,935	78,603	—	—	—	—	20
5,065	4,429	4,112	4,073	1,208	1,238	1,017	995	21
983,499	944,145	906,101	894,021	66,031	60,107	52,348	47,515	22
101,510	103,305	103,224	106,206	13,421	11,035	10,582	9,366	23
1,085,009	1,047,450	1,009,325	1,000,227	79,452	71,142	62,930	56,881	24
59,929	55,571	53,614	51,187	18,542	16,721	16,059	15,044	25
6,434	5,795	5,363	5,160	3,199	4,088	2,866	2,725	26
763	645	651	669	239	263	237	233	27
26	22	19	18	22	18	18	12	28
67,152	62,033	59,647	57,034	22,002	21,090	19,180	18,014	29
3,901	3,602	3,424	3,194	1,352	1,288	1,154	1,047	30
1,592	1,405	1,200	1,115	756	752	754	766	31
5,034	4,521	4,615	4,347	374	262	198	180	32
47	153	3	138	—	—	—	—	33
148	133	120	114	62	60	52	52	34
10,722	9,814	9,362	8,908	2,544	2,362	2,158	2,045	35
602	591	586	596	172	177	201	197	36
2,000	1,883	1,749	1,766	621	563	569	498	37

TABLE 1. Comparative Summary, 1957-60 — Continued

			Nova Scotia			
No.			1960	1959	1958	1957
Installed generating capacity (Table 2):						
1	Hydro	kw.	136,930	127,930	127,930	129,637
2	Thermal	"	369,935	370,585	291,335	297,976
3	Total installed generating capacity	"	506,865	498,515	419,265	427,613
Energy made available (Tables 3 and 4):						
4	Generated—Hydro	'000 kwh.	655,164	679,450	645,600	526,493
5	Thermal	"	1,158,769	970,592	917,142	1,007,344
6	Total generation	"	1,813,933	1,650,042	1,562,742	1,533,837
7	Imported from other Provinces	"	588	—	—	—
8	Imported from United States	"	—	—	—	—
9	Exported to other Provinces	"	81,188	13,984	9,949	8,858
10	Exported to United States	"	—	—	—	—
11	Total made available in Canada	"	1,733,333	1,636,058	1,552,793	1,524,979
Generated for use in own plant:						
12	Excluding consumption in electric boilers ..	"	150,527	158,249	159,716	182,673
13	Consumed in electric boilers	"	—	—		
14	Losses	"	—	—	270	421
15	Total generated for own use	"	150,527	158,249	159,986	183,094
16	Total available for disposal in Canada ..	"	1,582,806	1,477,809	1,392,807	1,341,885
Disposal of energy (Table 5):						
To ultimate customers in Canada:						
17	Domestic and farm	"	461,926	434,396	385,465	356,000
18	Commercial	"	138,477	131,068	126,006	121,300
19	Power—Excluding deliveries to electric	"	762,917	749,453	720,734	683,283
20	boilers	"	—	—	—	—
21	Deliveries to electric boilers	"	—	—	—	—
22	Street lighting	"	14,261	12,715	12,111	10,046
23	Total sold to ultimate customers	"	1,377,581	1,327,632	1,244,316	1,170,629
24	Losses and unaccounted for	"	205,225	150,177	148,491	171,256
25	Total disposed of in Canada	"	1,582,806	1,477,809	1,392,807	1,341,885
Customers (Table 6):						
Ultimate customers in Canada:						
26	Domestic and farm	No.	168,625	166,393	163,481	158,065
27	Commercial	"	20,241	20,340	19,887	20,626
28	Power	"	7,893	7,251	6,453	5,889
29	Street lighting	"	262	177	147	131
30	Total ultimate customers	"	197,021	194,161	189,968	184,711
Revenue from sale of electricity (Table 7):						
Revenue from ultimate customers in Canada:						
31	Domestic and farm	\$'000	12,727	11,621	10,351	9,173
32	Commercial	"	4,972	4,630	4,443	4,332
33	Power—Excluding deliveries to electric	"	10,424	8,907	9,663	9,200
34	boilers	"	—	—	—	—
35	Deliveries to electric boilers	"	—	—	—	—
36	Street lighting	"	630	543	496	421
37	Total revenue from ultimate customers	"	28,753	25,701	24,953	23,126
Employees, salaries and wages (Table 12):						
38	Total employees (excluding construction)	No.	1,603	1,583	1,542	1,590
39	Total wages and salaries (excluding construction)	\$'000	6,256	5,940	5,445	5,069

TABLE 1. Comparative Summary, 1957-60 — Continued

New Brunswick				Quebec				No.
1960	1959 ^r	1958	1957	1960	1959 ^r	1958	1957	
188,506	188,506	188,906	209,410	8,776,824	8,057,181	6,980,515	6,276,684	1
213,231	203,481	200,431	187,181	143,523	90,053	77,449	70,909	2
401,737	391,987	389,337	396,591	8,920,347	8,147,234	7,057,964	6,347,593	3
816,105	1,115,835	1,023,020	706,464	50,109,271	44,621,143	43,418,062	37,905,814	4
922,273	707,638	589,662	698,297	323,630	232,783	217,506	225,613	5
1,738,378	1,823,473	1,612,682	1,404,761	50,432,901	44,853,926	43,635,568	38,131,427	6
96,500	27,986	25,851	23,156	102,900	57,436	51,318	66,400	7
14,724	151	591	4,525	569	852	833	710	8
588	11	—	—	5,964,993	5,692,703	6,006,889	4,943,580	9
165,109	158,621	142,789	48,649	569,074	555,358	526,336	549,040	10
1,683,905	1,692,878	1,496,335	1,383,793	44,002,303	38,664,153	37,154,494	32,705,917	11
459,863	432,536	380,880	385,782	10,082,854	8,043,417	10,165,536	8,532,007	12
1,364	2,047		1,731,322	1,731,322	1,526,840		258,501	13
9,068	14,043		438,272	438,272	272,520		231,363	14
470,295	448,626	396,635	387,232	12,252,448	9,842,777	10,396,899	8,790,508	15
1,213,610	1,244,352	1,099,700	996,561	31,749,855	28,821,376	37,154,494	23,915,409	16
328,107	300,825	253,273	225,210	5,000,588	4,553,174	4,017,294	3,582,204	17
110,215	105,702	97,745	91,425	3,136,993	2,853,128	2,317,333	1,558,600	18
639,993	720,269	665,090	562,349	16,120,468	14,920,073	13,940,656	14,672,085	19
—	—	—	—	4,365,262	3,649,249	3,733,638	1,653,310	20
15,717	14,262	12,053	10,910	149,959	134,409	123,636	115,800	21
1,094,032	1,141,058	1,028,161	889,894	28,773,270	26,110,033	24,132,557	21,581,999	22
119,578	103,294	71,539	106,667	2,976,585	2,711,343	2,625,038	2,333,410	23
1,213,610	1,244,352	1,099,700	996,561	31,749,855	28,821,376	26,757,595	23,915,409	24
141,283	128,207	129,365	123,893	1,225,796	1,175,811	1,124,134	1,089,416	25
6,482	16,854	14,115	13,608	146,223	138,284	135,803	132,445	26
2,542	2,372	2,155	2,128	20,280	19,388	18,826	18,349	27
285	227	144	132	1,674	1,650	1,616	1,586	28
150,592	147,660	145,779	139,761	1,393,973	1,335,133	1,280,379	1,241,796	29
10,601	9,959	8,753	7,906	72,571	67,457	61,262	56,112	30
2,976	3,297	3,015	2,801	39,521	36,499	32,698	28,402	31
7,354	6,847	6,451	5,912	92,486	88,149	83,696	80,911	32
—	—	—	—	6,969	5,909	4,714	2,918	33
586	552	457	400	3,473	3,153	2,837	2,590	34
21,517	20,655	18,676	17,019	215,020	201,167	185,207	170,933	35
1,124	1,194	1,142	1,133	10,133	9,755	9,799	9,466	36
4,317	4,204	3,968	3,835	45,203	42,134	40,828	36,735	37

TABLE 1. Comparative Summary, 1957-60 — Continued

No.			Ontario			
			1960	1959 ^r	1958	1957
	Installed generating capacity (Table 2):					
1	Hydro	kw.	5,583,314	5,577,611	4,957,380	4,091,654
2	Thermal	"	1,525,286	1,123,461	912,366	909,188
3	Total installed generating capacity	"	7,108,600	6,701,072	5,869,746	5,000,842
	Energy made available (Tables 3 and 4):					
4	Generated — Hydro	'000 kwh.	34,948,511	32,386,820	28,012,573	27,959,037
5	Thermal	"	866,553	996,012	1,238,807	2,153,403
6	Total generation	"	35,815,064	33,382,832	29,251,380	30,112,440
7	Imported from other Provinces	"	6,044,706	5,804,206	6,024,335	5,071,120
8	Imported from United States	"	287,436	481,462	226,510	285,472
9	Exported to other Provinces	"	230,382	191,510	50,553	23,316
10	Exported to United States	"	4,759,717	3,865,099	3,404,051	4,222,225
11	Total made available in Canada	"	37,157,107	35,611,891	32,047,621	31,223,491
	Generated for use in own plant:					
12	Excluding consumption in electric boilers....	"	1,808,479	1,736,290	} 1,805,015	1,826,356
13	Consumed in electric boilers	"	138,479	122,250		
14	Losses	"	62,881	161,848		
15	Total generated for own use	"	2,009,839	2,020,388	1,862,435	1,877,915
16	Total available for disposal in Canada	"	35,147,268	33,591,503	30,185,186	29,345,576
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
17	Domestic and farm	"	9,318,141	8,780,654	8,189,413	7,594,393
18	Commercial	"	3,386,547	3,067,538	2,833,584	2,609,398
19	Power — Excluding deliveries to electric					
	boilers	"	17,393,986	16,933,502	14,963,091	15,165,803
20	Deliveries to electric boilers	"	447,758	360,639	198,254	48,113
21	Street lighting	"	281,023	264,160	244,962	228,684
22	Total sold to ultimate customers	"	30,827,455	29,406,493	26,429,304	25,646,391
23	Losses and unaccounted for	"	4,319,813	4,185,010	3,755,882	3,699,185
24	Total disposed of in Canada	"	35,147,268	33,591,503	30,185,186	29,345,576
	Customers (Table 6):					
	Ultimate customers in Canada:					
25	Domestic and farm	No.	1,755,369	1,710,079	1,634,830	1,549,668
26	Commercial	"	168,456	165,489	166,107	166,198
27	Power	"	27,067	26,823	26,143	25,553
28	Street lighting	"	794	761	752	780
29	Total ultimate customers	"	1,951,686	1,903,152	1,827,832	1,742,199
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
30	Domestic and farm	\$'000	124,933	117,629	110,712	103,377
31	Commercial	"	49,893	46,074	43,478	40,582
32	Power — Excluding deliveries to electric					
	boilers	"	123,573	118,284	107,699	104,295
33	Deliveries to electric boilers	"	616	510	279	68
34	Street lighting	"	6,633	5,976	5,417	4,962
35	Total revenue from ultimate customers	"	305,648	288,473	267,585	253,284
	Employees, salaries and wages (Table 12):					
36	Total employees (excluding construction)	No.	18,312	16,560	16,409	16,184
37	Total wages and salaries (excluding construc- tion)	\$'000	86,033	82,715	76,082	71,477

TABLE 1. Comparative Summary, 1957-60 — Continued

Manitoba				Saskatchewan				No.
1960	1959	1958	1957	1960	1959	1958	1957	
713,000	577,950	577,950	564,950	110,824	109,504	88,800	85,200	1
329,617	197,267	197,062	92,154	650,467	584,454	461,852	374,745	2
1,042,617	775,217	775,012	657,104	761,291	693,958	550,652	459,945	3
3,659,920	3,580,427	3,113,166	3,350,396	621,829	587,366	568,480	566,020	4
81,991	62,816	139,854	26,993	1,531,996	1,512,312	1,347,716	1,200,324	5
3,741,911	3,643,243	3,253,020	3,357,389	2,203,825	2,099,678	1,916,196	1,766,344	6
822,599	762,157	540,238	533,792	6,452	8,104	6,715	2,315	7
—	—	—	—	414	401	365	316	8
98,857	128,633	35,858	152,657	610,403	586,778	504,029	532,256	9
34	36	28	22	—	—	—	—	10
4,465,619	4,276,731	3,757,372	3,758,502	1,600,288	1,521,405	1,419,247	1,236,719	11
80,362	74,991	36,037	63,049	62,541	62,101	100,989	58,693	12
—	—		—	1,502	—		—	13
1,700	19,434		—	1,766	2,372		6	14
82,062	94,425	37,009	63,049	65,809	64,473	104,518	58,699	15
4,383,557	4,182,306	3,720,363	3,695,453	1,534,479	1,456,932	1,314,729	1,178,020	16
1,454,613	1,388,330	1,337,932	1,247,563	646,234	600,526	515,158	470,075	17
527,969	488,694	456,589	428,508	296,264	277,904	163,257	166,344	18
1,445,907	1,364,668	1,283,248	1,286,949	372,017	365,076	390,574	326,482	19
339,597	407,255	211,886	310,950	—	—	—	—	20
43,382	39,802	35,876	33,943	20,851	20,536	21,006	19,725	21
3,811,468	3,688,749	3,325,531	3,307,913	1,335,366	1,264,042	1,089,995	982,626	22
572,089	493,557	394,832	387,540	199,113	192,890	224,734	195,394	23
4,383,557	4,182,306	3,720,363	3,695,453	1,534,479	1,456,932	1,314,729	1,178,020	24
235,239	231,662	218,870	211,642	215,732	201,900	191,072	182,426	25
39,923	38,953	36,969	36,002	34,081	33,702	31,838	31,106	26
11,556	11,264	10,818	10,676	5,134	5,043	6,540	5,708	27
539	538	529	529	878	874	859	829	28
287,257	282,417	267,186	258,849	255,825	241,519	230,309	220,069	29
16,722	15,924	14,141	14,052	18,803	18,087	15,864	14,625	30
8,077	7,508	7,382	6,127	8,041	8,178	6,222	6,072	31
10,144	9,492	8,687	8,331	7,201	6,529	7,174	5,905	32
419	475	266	378	—	—	—	—	33
851	753	651	577	816	774	687	640	34
36,213	34,152	31,127	29,465	34,861	33,568	29,947	27,242	35
2,599	2,524	2,513	2,416	2,313	2,387	2,141	1,875	36
11,395	10,349	9,321	8,387	11,137	10,837	9,477	6,534	37

TABLE 1. Comparative Summary, 1957-60 — Concluded

No.			Alberta			
			1960	1959	1958	1957
	Installed generating capacity (Table 2):					
1	Hydro	kw.	290,792	220,642	220,642	241,432
2	Thermal	"	624,489	545,810	515,258	382,508
3	Total installed generating capacity	"	915,281	766,452	735,900	623,940
	Energy made available (Tables 3 and 4):					
4	Generated—Hydro	'000 kwh.	886,595	842,259	990,457	807,253
5	Thermal	"	2,556,813	2,255,207	1,737,298	1,624,649
6	Total generation	"	3,443,408	3,097,466	2,727,755	2,431,902
7	Imported from other Provinces	"	33,885	34,287	25,520	24,297
8	Imported from United States	"	633	617	604	573
9	Exported to other Provinces	"	2,620	4,977	6,286	3,139
10	Exported to United States	"	—	—	—	—
11	Total made available in Canada	"	3,475,306	3,127,393	2,747,593	2,453,633
12	Generated for use in own plant:					
13	Excluding consumption in electric boilers....	"	303,262	261,693	248,561	177,043
14	Consumed in electric boilers	"	—	—		
15	Losses	"	—	58	59	200
15	Total generated for own use	"	303,262	261,751	248,620	177,243
16	Total available for disposal in Canada	"	3,172,044	2,865,642	2,498,973	2,276,390
	Disposal of energy (Table 5):					
	To ultimate customers in Canada:					
17	Domestic and farm	"	867,319	787,492	646,048	564,048
18	Commercial	"	380,560	340,339	299,204	276,551
19	Power—Excluding deliveries to electric					
20	boilers	"	1,446,691	1,339,800	1,224,536	1,144,294
21	Deliveries to electric boilers	"	—	—	—	942
21	Street lighting	"	53,733	47,696	38,393	29,853
22	Total sold to ultimate customers	"	2,748,303	2,515,327	2,208,181	2,015,688
23	Losses and unaccounted for	"	423,741	350,315	290,792	260,702
24	Total disposed of in Canada	"	3,172,044	2,865,642	2,498,973	2,276,390
	Customers (Table 6):					
	Ultimate customers in Canada:					
25	Domestic and farm	No.	290,140	275,395	255,164	237,719
26	Commercial	"	44,266	41,969	40,847	38,895
27	Power	"	20,739	21,540	19,568	18,328
28	Street lighting	"	562	545	527	511
29	Total ultimate customers	"	355,707	339,449	316,106	295,453
	Revenue from sale of electricity (Table 7):					
	Revenue from ultimate customers in Canada:					
30	Domestic and farm	\$'000	19,280	17,990	15,484	13,788
31	Commercial	"	12,403	11,612	10,360	9,459
32	Power—Excluding deliveries to electric					
33	boilers	"	19,528	18,145	16,044	14,650
34	Deliveries to electric boilers	"	—	—	—	10
34	Street lighting	"	1,434	1,495	1,251	1,045
35	Total revenue from ultimate customers.....	"	52,645	49,242	43,139	38,952
	Employees, salaries and wages (Table 12):					
36	Total employees (excluding construction)	No.	1,749	1,956	1,932	1,647
37	Total wages and salaries (excluding construction).....	\$'000	8,994	9,072	8,498	6,729

TABLE 1. Comparative Summary, 1957-60 — Concluded

British Columbia				Yukon and N.W.T.				No.
1960	1959	1958	1957	1960	1959	1958	1957	
2,540,058	2,407,267	2,260,990	2,266,077	45,400	38,400	38,400	28,975	1
423,059	401,267	261,972	242,915	17,493	7,103	4,813	3,017	2
2,963,117	2,808,534	2,522,962	2,508,992	62,893	45,503	43,213	31,992	3
12,600,494	11,701,239	11,254,743	10,116,336	159,792	154,125	141,719	121,641	4
807,889	671,978	627,960	607,701	29,327	30,701	26,318	23,516	5
13,408,383	12,373,217	11,882,703	10,724,037	189,119	184,826	168,037	145,157	6
—	—	2,081	3,139	—	—	—	—	7
53,102	28,519	16,159	277,664	—	—	—	—	8
33,885	34,287	25,520	24,297	—	—	—	—	9
1,638	1,505	1,309	9,907	—	—	—	—	10
13,425,962	12,365,944	11,874,114	10,970,636	189,119	184,826	168,037	145,157	11
6,704,774	6,033,070	6,219,643	6,243,327	45,827	48,410	61,392	71,227	12
232,995	166,645		181,533	5,485	6,576		813	13
193,995	172,383		—	2,001	2,597		—	14
7,131,764	6,372,098	6,411,588	6,424,860	53,313	57,583	66,066	72,040	15
6,294,198	5,993,846	5,462,526	4,545,776	135,806	127,243	101,971	73,117	16
2,102,048	1,963,660	1,775,996	1,657,619	13,270	10,201	8,536	7,268	17
791,403	718,117	867,938	798,711	14,139	14,082	5,817	8,138	18
2,718,987	2,567,011	2,107,687	1,421,814	78,513	74,248	60,867	49,636	19
265	—	—	—	22,397	19,522	18,819	6,248	20
71,680	63,485	61,353	57,218	262	198	214	192	21
5,684,383	5,312,273	4,812,974	3,935,362	128,581	118,251	94,253	71,482	22
609,815	681,573	649,552	610,414	7,225	8,992	7,718	1,635	23
6,294,198	5,993,846	5,462,526	4,545,776	135,806	127,243	101,971	73,117	24
428,418	416,251	399,343	382,222	3,707	3,574	3,014	2,918	25
64,203	62,240	61,521	58,995	1,188	865	702	749	26
8,999	8,747	8,270	8,098	181	171	157	89	27
327	249	232	215	14	9	9	6	28
501,947	487,487	469,366	449,530	5,090	4,619	3,882	3,762	29
44,365	41,547	36,911	33,421	691	558	475	343	30
22,294	20,770	21,933	19,324	997	793	359	521	31
25,750	23,998	17,389	13,298	1,694	1,541	1,178	987	32
—	—	—	—	89	65	65	25	33
1,513	1,353	1,225	1,092	20	13	14	13	34
93,922	87,668	77,458	67,135	3,491	2,970	2,091	1,889	35
2,267	2,559	3,019	2,635	185	154	110	78	36
13,196	14,371	13,757	12,579	947	721	517	343	37

TABLE 2. Installed Generating Capacity at End of Year, 1960

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		nameplate rating in kilowatts			
	Electric utilities and industrial establishments:				
	Hydro:				
1	Water-wheels and turbines	18,643,233	257,430	155	136,930
	Thermal:				
2	Steam engines and turbines	3,735,343	45,000	32,500	357,045
3	Internal combustion engines	308,589	11,264	4,705	2,890
4	Gas turbines	347,837	—	—	—
5	Total thermal	4,391,769	56,264	37,205	369,935
6	Total installed generating capacity	23,035,002	313,694	37,360	506,865
7	Per cent of total for Canada	100.00	1.36	0.16	2.20
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	14,771,673	192,550	155	131,580
	Thermal:				
9	Steam engines and turbines	3,077,385	35,000	32,500	326,250
10	Internal combustion engines	230,291	4,752	4,700	2,490
11	Gas turbines	339,400	—	—	—
12	Total thermal	3,647,076	39,752	37,200	328,740
13	Total installed generating capacity	18,418,749	232,302	37,355	460,320
14	Per cent of total for Canada	100.00	1.26	0.20	2.50
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	9,600,325	—	—	91,768
	Thermal:				
16	Steam engines and turbines	2,544,525	—	—	60,000
17	Internal combustion engines	166,902	90	4,600	570
18	Gas turbines	220,900	—	—	—
19	Total thermal	2,932,327	90	4,600	60,570
20	Total installed generating capacity	12,532,652	90	4,600	152,338
21	Per cent of total for Canada	100.00	—	0.04	1.21
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	5,171,348	192,550	155	39,812
	Thermal:				
23	Steam engines and turbines	532,860	35,000	32,500	266,250
24	Internal combustion engines	63,389	4,662	100	1,920
25	Gas turbines	118,500	—	—	—
26	Total thermal	714,749	39,662	32,600	268,170
27	Total installed generating capacity	5,886,097	232,212	32,755	307,982
28	Per cent of total for Canada	100.00	3.94	0.56	5.23
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	3,871,560	64,880	—	5,350
	Thermal:				
30	Steam engines and turbines	657,958	10,000	—	40,795
31	Internal combustion engines	78,298	6,512	5	400
32	Gas turbines	8,437	—	—	—
33	Total thermal	744,693	16,512	5	41,195
34	Total installed generating capacity	4,616,253	81,392	5	46,545
35	Per cent of total for Canada	100.00	1.76	—	1.01

TABLE 2. Installed Generating Capacity at End of Year, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
nameplate rating in kilowatts								
188,506	8,776,824	5,583,314	713,000	110,824	290,792	2,540,058	45,400	1
205,149	72,264	1,505,375	321,600	567,450	495,250	123,110	600	2
8,082	35,259	19,911	8,017	43,617	32,302	124,449	18,093	3
—	36,000	—	—	39,400	96,937	175,500	—	4
213,231	143,523	1,525,286	329,617	650,467	624,489	423,059	18,693	5
401,737	8,920,347	7,108,600	1,042,617	761,291	915,281	2,963,117	64,093	6
1.75	38.73	30.86	4.53	3.30	3.97	12.86	0.28	7
175,786	6,418,106	5,338,741	702,650	105,900	290,792	1,383,423	31,990	8
92,250	—	1,264,000	317,600	559,450	447,125	2,610	600	9
8,082	23,490	9,851	4,025	32,455	26,137	101,551	12,758	10
—	36,000	—	—	39,400	88,500	175,500	—	11
100,332	59,490	1,273,851	321,625	631,305	561,762	279,661	13,358	12
276,118	6,477,596	6,612,592	1,024,275	737,205	852,554	1,663,084	45,348	13
1.50	35.17	35.90	5.56	4.00	4.63	9.03	0.25	14
165,746	3,256,487	5,036,652	702,650	—	—	316,682	30,340	15
92,250	—	1,264,000	317,600	559,450	250,625	—	600	16
7,082	13,290	4,326	4,025	31,655	—	92,351	8,913	17
—	36,000	—	—	39,400	70,000	75,500	—	18
99,332	49,290	1,268,326	321,625	630,505	320,625	167,851	9,513	19
265,078	3,305,777	6,304,978	1,024,275	630,505	320,625	484,533	39,853	20
2.11	26.38	50.31	8.17	5.03	2.56	3.87	0.32	21
10,040	3,161,619	302,089	—	105,900	290,792	1,066,741	1,650	22
—	—	—	—	—	196,500	2,610	—	23
1,000	10,200	5,525	—	800	26,137	9,200	3,845	24
—	—	—	—	—	18,500	100,000	—	25
1,000	10,200	5,525	—	800	241,137	111,810	3,845	26
11,040	3,171,819	307,614	—	106,700	531,929	1,178,551	5,495	27
0.19	53.89	5.23	—	1.81	9.04	20.02	0.09	28
12,720	2,358,718	244,573	10,350	4,924	—	1,156,635	13,410	29
112,899	72,264	241,375	4,000	8,000	48,125	120,500	—	30
—	11,769	10,060	3,992	11,162	6,165	22,898	5,335	31
—	—	—	—	—	8,437	—	—	32
112,899	84,033	251,435	7,992	19,162	62,727	143,398	5,335	33
125,619	2,442,751	496,008	18,342	24,086	62,727	1,300,033	18,745	34
2.72	52.92	10.74	0.40	0.52	1.36	28.16	0.41	35

TABLE 3. Generation of Energy, 1960

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
1	Hydro:				
	Water-wheels and turbines	105,882,773	1,424,677	415	655,164
	Thermal:				
2	Steam engines and turbines	7,657,425	76,337	72,487	1,157,361
3	Internal combustion engines	546,314	10,545	6,550	1,408
4	Gas turbines	291,421	—	—	—
5	Total thermal	8,495,160	86,882	79,037	1,158,769
6	Total energy generated	114,377,933	1,511,559	79,452	1,813,933
7	Per cent of total for Canada	100.00	1.32	0.07	1.59
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	83,202,548	1,036,514	415	618,855
	Thermal:				
9	Steam engines and turbines	5,189,999	42,042	72,487	1,041,041
10	Internal combustion engines	436,384	5,156	6,550	1,358
11	Gas turbines	248,209	—	—	—
12	Total thermal	5,874,592	47,198	79,037	1,042,399
13	Total energy generated	89,077,140	1,083,712	79,452	1,661,254
14	Per cent of total for Canada	100.00	1.22	0.09	1.86
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	54,239,764	—	—	431,261
	Thermal:				
16	Steam engines and turbines	3,052,463	—	—	157,463
17	Internal combustion engines	363,225	10	6,545	1,343
18	Gas turbines	194,654	—	—	—
19	Total thermal	3,610,342	10	6,545	158,806
20	Total energy generated	57,850,106	10	6,545	590,067
21	Per cent of total for Canada	100.00	—	0.01	1.02
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	28,962,784	1,036,514	415	187,594
	Thermal:				
23	Steam engines and turbines	2,137,536	42,042	72,487	883,578
24	Internal combustion engines	73,159	5,146	5	15
25	Gas turbines	53,555	—	—	—
26	Total thermal	2,264,250	47,188	72,492	883,593
27	Total energy generated	31,227,034	1,083,702	72,907	1,071,187
28	Per cent of total for Canada	100.00	3.47	0.23	3.43
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	22,680,225	388,163	—	36,309
	Thermal:				
30	Steam engines and turbines	2,467,426	34,295	—	116,320
31	Internal combustion engines	109,930	5,389	—	50
32	Gas turbines	43,212	—	—	—
33	Total thermal	2,620,568	39,684	—	116,370
34	Total energy generated	25,300,793	427,847	—	152,679
35	Per cent of total for Canada	100.00	1.69	—	0.60

¹ Kilowatt-hours generated after deducting station service.

TABLE 3. Generation of Energy, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
816, 105	50, 109, 271	34, 948, 511	3, 659, 920	621, 829	886, 595	12, 600, 494	159, 792	1
901, 637	276, 433	837, 569	72, 008	1, 375, 707	2, 312, 546	574, 186	1, 154	2
20, 636	45, 970	28, 984	9, 983	112, 985	48, 416	232, 664	28, 173	3
—	1, 227	—	—	93, 304	195, 851	1, 039	—	4
922, 273	323, 630	866, 553	81, 991	1, 581, 996	2, 556, 813	807, 889	29, 327	5
1, 738, 378	50, 432, 901	35, 815, 064	3, 741, 911	2, 203, 825	3, 443, 408	13, 408, 383	189, 119	6
1.52	44.09	31.31	3.27	1.93	3.01	11.72	0.17	7
751, 809	36, 155, 183	33, 454, 943	3, 614, 725	585, 888	886, 595	5, 985, 887	111, 734	8
400, 495	—	165, 069	66, 308	1, 339, 773	2, 061, 189	441	1, 154	9
20, 636	31, 956	16, 793	9, 453	84, 116	25, 858	217, 678	16, 830	10
—	1, 227	—	—	93, 304	152, 639	1, 039	—	11
421, 131	33, 183	181, 862	75, 761	1, 517, 193	2, 239, 686	219, 158	17, 984	12
1, 172, 940	36, 188, 366	33, 636, 805	3, 690, 486	2, 103, 081	3, 126, 281	6, 205, 045	129, 718	13
1.32	40.63	37.76	4.14	2.36	3.51	6.97	0.14	14
685, 974	16, 095, 417	31, 762, 236	3, 614, 725	—	—	1, 545, 477	104, 674	15
400, 495	—	165, 069	66, 308	1, 339, 773	922, 201	—	1, 154	16
20, 621	20, 530	4, 557	9, 453	83, 849	—	203, 434	12, 883	17
—	1, 227	—	—	93, 304	100, 123	—	—	18
421, 116	21, 757	169, 626	75, 761	1, 516, 926	1, 022, 324	203, 434	14, 037	19
1, 107, 090	16, 117, 174	31, 931, 862	3, 690, 486	1, 516, 926	1, 022, 324	1, 748, 911	118, 711	20
1.91	27.86	55.20	6.38	2.62	1.77	3.02	0.21	21
65, 835	20, 059, 766	1, 692, 707	—	585, 888	886, 595	4, 440, 410	7, 060	22
—	—	—	—	—	1, 138, 988	441	—	23
15	11, 426	12, 236	—	267	25, 858	14, 244	3, 947	24
—	—	—	—	—	52, 516	1, 039	—	25
15	11, 426	12, 236	—	267	1, 217, 362	15, 724	3, 947	26
65, 850	20, 071, 192	1, 704, 943	—	586, 155	2, 103, 957	4, 456, 134	11, 007	27
0.21	64.27	5.46	—	1.88	6.74	14.27	0.04	28
64, 296	13, 954, 088	1, 493, 568	45, 195	35, 941	—	6, 614, 607	48, 058	29
501, 142	276, 433	672, 500	5, 700	35, 934	251, 357	573, 745	—	30
—	14, 014	12, 191	530	28, 869	22, 558	14, 986	11, 343	31
—	—	—	—	—	43, 212	—	—	32
501, 142	290, 447	684, 691	6, 230	64, 803	317, 127	588, 731	11, 343	33
565, 438	14, 244, 535	2, 178, 259	51, 425	100, 744	317, 127	7, 203, 338	59, 401	34
2.24	56.30	8.61	0.20	0.40	1.25	28.47	0.24	35

TABLE 4. Energy Made Available, 1960

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:	thousands of kilowatt-hours ¹			
1	Total generated (Table 3)¹	114,377,933	1,511,559	79,452	1,813,933
2	Per cent of total for Canada	100.00	1.32	0.07	1.59
	Energy imported:				
3	From other provinces .....	...	—	—	588
4	From United States	356,878	—	—	—
5	Total imported	356,878	—	—	588
	Energy exported:				
6	To other provinces .....	...	84,714	—	81,188
7	To United States	5,495,572	—	—	—
8	Total exported	5,495,572	84,714	—	81,188
9	Total made available in Canada	109,239,239	1,426,845	79,452	1,733,333
10	Per cent of total for Canada	100.00	1.31	0.07	1.59
	Generated for use in own plant:				
11	Excluding consumption in electric boilers	20,005,325	306,836	—	150,527
12	Consumption in electric boilers	2,146,147	35,000	—	—
13	Losses	709,683	—	—	—
14	Total generated for own use	22,861,155	341,836	—	150,527
15	Total available for disposal in Canada	86,378,084	1,085,009	79,452	1,582,806
16	Per cent of total for Canada	100.00	1.26	0.09	1.83

¹ Kilowatt-hours after deducting station service.

TABLE 5. Disposal of Energy, 1960

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:	thousands of kilowatt-hours			
	To ultimate customers in Canada:				
1	Domestic and farm ¹	20,391,857	169,481	30,130	461,926
2	Commercial	8,853,507	50,429	20,511	138,477
3	Power—Excluding deliveries to electric boilers ...	41,715,903	722,242	14,182	762,917
4	Deliveries to electric boilers	5,211,561	36,282	—	—
5	Street lighting	657,141	5,065	1,208	14,261
6	Total sold to ultimate customers	76,829,969	983,499	66,031	1,377,581
7	Losses and unaccounted for	9,548,115	101,510	13,421	205,225
8	Total disposed of in Canada	86,378,084	1,085,009	79,452	1,582,806
9	Per cent of total for Canada	100.00	1.26	0.09	1.83
	Exported:				
10	To other provinces—Primary .....	...	84,714	—	81,188
11	Secondary .....	...	—	—	—
12	To United States—Primary	1,040,110	—	—	—
13	Secondary	4,455,462	—	—	—
14	Total exported	5,495,572	84,714	—	81,188
	Electric utilities:				
	Publicly and privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	20,335,238	168,361	30,130	461,926
16	Commercial	8,794,670	50,045	20,511	138,477
17	Power—Excluding deliveries to electric boilers	41,640,905	722,063	14,182	759,425
18	Deliveries to electric boilers	5,211,561	36,282	—	—
19	Street lighting	654,708	5,051	1,208	14,261
20	Total sold to ultimate customers	76,637,082	981,802	66,031	1,374,089
21	Losses and unaccounted for	9,526,538	101,510	13,421	205,225
22	Total disposed of in Canada	86,163,620	1,083,312	79,452	1,579,314
23	Per cent of total for Canada	100.00	1.26	0.09	1.83
	Exported:				
24	To other provinces—Primary .....	...	—	—	81,188
25	Secondary .....	...	—	—	—
26	To United States—Primary	993,122	—	—	—
27	Secondary	4,389,708	—	—	—
28	Total exported	5,382,830	—	—	81,188

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 4. Energy Made Available, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
1,738,378	50,432,901	35,815,064	3,741,911	2,203,825	3,443,408	13,408,383	189,119	1
1.52	44.09	31.31	3.27	1.93	3.01	11.72	0.17	2
96,500	102,900	6,044,706	822,599	6,452	33,885	—	—	3
14,724	569	287,436	—	414	633	53,102	—	4
111,224	103,469	6,332,142	822,599	6,866	34,518	53,102	—	5
588	5,964,993	230,382	98,857	610,403	2,620	33,885	—	6
165,109	569,074	4,759,717	34	—	—	1,638	—	7
165,697	6,534,067	4,990,099	98,891	610,403	2,620	35,523	—	8
1,683,905	44,002,303	37,157,107	4,465,619	1,600,288	3,475,306	13,425,962	189,119	9
1.54	40.28	34.01	4.09	1.47	3.18	12.29	0.17	10
459,863	10,082,854	1,808,479	80,362	62,541	303,262	6,704,774	45,827	11
1,364	1,731,322	138,479	—	1,502	—	232,995	5,485	12
9,068	438,272	62,881	1,700	1,766	—	193,995	2,001	13
470,295	12,252,448	2,009,839	82,062	65,809	303,262	7,131,764	53,313	14
1,213,610	31,749,855	35,147,268	4,383,557	1,534,479	3,172,044	6,294,198	135,806	15
1.40	36.76	40.69	5.07	1.78	3.67	7.29	0.16	16

TABLE 5. Disposal of Energy, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
328,107	5,000,588	9,318,141	1,454,613	646,234	867,319	2,102,048	13,270	1
110,215	3,136,993	3,386,547	527,969	296,264	380,560	791,403	14,139	2
639,993	16,120,468	17,393,986	1,445,907	372,017	1,446,691	2,718,987	78,513	3
—	4,365,262	447,758	339,597	—	—	265	22,397	4
15,717	149,959	281,023	43,382	20,851	53,733	71,680	262	5
1,094,032	28,773,270	30,827,455	3,811,468	1,335,366	2,748,303	5,684,383	128,581	6
119,578	2,976,585	4,319,813	572,089	199,113	423,741	609,815	7,225	7
1,213,610	31,749,855	35,147,268	4,383,557	1,534,479	3,172,044	6,294,198	135,806	8
1.40	36.76	40.69	5.07	1.78	3.67	7.29	0.16	9
588	4,207,610	18,186	98,857	610,403	2,620	33,705	—	10
—	1,757,383	212,196	—	—	—	180	—	11
44,352	265,180	728,941	34	—	—	1,603	—	12
120,757	303,894	4,030,776	—	—	—	35	—	13
165,697	6,534,067	4,990,099	98,891	610,403	2,620	35,523	—	14
328,107	4,987,825	9,303,821	1,450,903	645,614	866,929	2,078,511	13,111	15
101,446	3,133,201	3,362,050	526,508	296,133	378,684	773,476	14,139	16
639,993	16,087,020	17,371,291	1,445,842	372,017	1,446,691	2,709,512	72,869	17
—	4,365,262	447,758	339,597	—	—	265	22,397	18
15,717	149,101	280,708	43,308	20,851	53,730	70,511	262	19
1,085,263	28,722,409	30,765,628	3,806,158	1,334,615	2,746,034	5,632,275	122,778	20
115,894	2,963,803	4,314,857	571,934	199,113	423,741	609,815	7,225	21
1,201,157	31,686,212	35,080,485	4,378,092	1,533,728	3,169,775	6,242,090	130,003	22
1.39	36.78	40.71	5.08	1.78	3.68	7.25	0.15	23
588	4,207,610	18,186	98,857	577,063	2,620	33,705	—	24
—	1,757,383	212,196	—	—	—	180	—	25
39,159	265,180	687,146	34	—	—	1,603	—	26
55,003	303,894	4,030,776	—	—	—	35	—	27
94,750	6,534,067	4,948,304	98,891	577,063	2,620	35,523	—	28

TABLE 5. Disposal of Energy, 1960 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities — Concluded:				
	Publicly-operated:				
	To ultimate customers in Canada:				
1	Domestic and farm ¹	14,894,011	9	4,244	122,892
2	Commercial	5,788,206	—	4,273	42,303
3	Power—Excluding deliveries to electric boilers	25,569,414	—	750	303,665
4	Deliveries to electric boilers	990,421	—	—	—
5	Street lighting	499,728	—	420	4,548
6	Total sold to ultimate customers	47,741,780	9	9,687	473,408
7	Losses and unaccounted for	6,475,882	1	1,135	62,118
8	Total disposed of in Canada	54,217,662	10	10,822	535,526
9	Per cent of total for Canada	100.00	0.00	0.02	0.99
	Exported:				
10	To other provinces — Primary .....	...	—	—	21,196
11	Secondary .....	...	—	—	—
12	To United States — Primary	651,901	—	—	—
13	Secondary	4,269,076	—	—	—
14	Total exported	4,920,977	—	—	21,196
	Privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	5,441,227	168,352	25,886	339,034
16	Commercial	3,006,464	50,045	16,238	96,174
17	Power—Excluding deliveries to electric boilers	16,071,491	722,063	13,432	455,760
18	Deliveries to electric boilers	4,221,140	36,282	—	—
19	Street lighting	154,980	5,051	788	9,713
20	Total sold to ultimate customers	28,895,302	981,793	56,344	900,681
21	Losses and unaccounted for	3,050,656	101,509	12,286	143,107
22	Total disposed of in Canada	31,945,958	1,083,302	68,630	1,043,788
23	Per cent of total for Canada	100.00	3.39	0.21	3.27
	Exported:				
24	To other provinces — Primary .....	...	—	—	59,992
25	Secondary .....	...	—	—	—
26	To United States — Primary	341,221	—	—	—
27	Secondary	120,632	—	—	—
28	Total exported	461,853	—	—	59,992
	Industrial establishments:				
	To ultimate customers in Canada:				
29	Domestic and farm ¹	56,619	1,120	—	—
30	Commercial	58,837	384	—	—
31	Power—Excluding deliveries to electric boilers	74,998	179	—	3,492
32	Deliveries to electric boilers	—	—	—	—
33	Street lighting	2,433	14	—	—
34	Total sold to ultimate customers	192,887	1,697	—	3,492
35	Losses and unaccounted for	21,577	—	—	—
36	Total disposed of in Canada	214,464	1,697	—	3,492
37	Per cent of total for Canada	100.00	0.79	—	1.63
	Exported:				
38	To other provinces — Primary .....	...	84,714	—	—
39	Secondary .....	...	—	—	—
40	To United States — Primary	46,988	—	—	—
41	Secondary	65,754	—	—	—
42	Total exported	112,742	84,714	—	—

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 5. Disposal of Energy, 1960 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
295,778	2,370,933	9,113,626	1,428,092	641,193	453,376	460,515	3,353	1
79,070	1,057,531	3,281,764	520,290	294,466	258,115	241,316	9,078	2
629,048	5,141,604	16,304,668	936,485	371,787	642,295	1,173,627	65,485	3
—	180,404	447,758	339,597	—	—	265	22,397	4
14,131	82,756	274,735	41,697	20,544	41,250	19,577	70	5
1,018,027	8,833,228	29,422,551	3,266,161	1,327,990	1,395,036	1,895,300	100,383	6
107,819	1,148,437	4,206,218	518,516	189,990	111,180	125,074	5,394	7
1,125,846	9,981,665	33,628,769	3,784,677	1,517,980	1,506,216	2,020,374	105,777	8
2.08	18.41	62.02	6.98	2.80	2.78	3.73	0.19	9
588	1,458,784	18,186	95,039	175	—	—	—	10
—	1,663,167	212,196	—	—	—	180	—	11
35	260,129	391,703	34	—	—	—	—	12
29,086	244,386	3,995,604	—	—	—	—	—	13
29,709	3,626,466	4,617,689	95,073	175	—	180	—	14
32,329	2,616,892	190,195	22,811	4,421	413,553	1,617,996	9,758	15
22,376	2,075,670	80,286	6,218	1,667	120,569	532,160	5,061	16
10,945	10,945,416	1,066,623	509,357	230	804,396	1,535,885	7,384	17
—	4,184,858	—	—	—	—	—	—	18
1,586	66,345	5,973	1,611	307	12,480	50,934	192	19
67,236	19,889,181	1,343,077	539,997	6,625	1,350,998	3,736,975	22,395	20
8,075	1,815,366	108,639	53,418	9,123	312,561	484,741	1,831	21
75,311	21,704,547	1,451,716	593,415	15,748	1,663,559	4,221,716	24,226	22
0.24	67.94	4.54	1.86	0.05	5.21	13.21	0.08	23
—	2,748,826	—	3,818	576,888	2,620	33,705	—	24
—	94,216	—	—	—	—	—	—	25
39,124	5,051	295,443	—	—	—	1,603	—	26
25,917	59,508	35,172	—	—	—	35	—	27
65,041	2,907,601	330,615	3,818	576,888	2,620	35,343	—	28
—	12,763	14,320	3,710	620	390	23,537	159	29
8,769	3,792	24,497	1,461	131	1,876	17,927	—	30
—	33,448	22,695	65	—	—	9,475	5,644	31
—	—	—	—	—	—	—	—	32
—	858	315	74	—	3	1,169	—	33
8,769	50,861	61,827	5,310	751	2,269	52,108	5,803	34
3,684	12,782	4,956	155	—	—	—	—	35
12,453	63,643	66,783	5,465	751	2,269	52,108	5,803	36
5.81	29.67	31.14	2.55	0.35	1.06	24.30	2.70	37
—	—	—	—	33,340	—	—	—	38
—	—	—	—	—	—	—	—	39
5,193	—	41,795	—	—	—	—	—	40
65,754	—	—	—	—	—	—	—	41
70,947	—	41,795	—	33,340	—	—	—	42

TABLE 6. Customers at End of Year, 1960

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
Electric utilities and industrial establishments:					
Ultimate customers in Canada:					
1	Domestic and farm ¹	4,542,780	59,929	18,542	168,625
2	Commercial	534,696	6,434	3,199	20,241
3	Power	105,393	763	239	7,893
4	Street lighting	5,383	26	22	262
5	Total ultimate customers	5,188,252	67,152	22,002	197,021
6	Per cent of total for Canada	100.00	1.29	0.42	3.80
Electric utilities:					
Publicly and privately-operated:					
Ultimate customers in Canada:					
7	Domestic and farm ¹	4,533,350	59,449	18,542	168,625
8	Commercial	533,988	6,421	3,199	20,241
9	Power	105,347	761	239	7,891
10	Street lighting	5,364	25	22	262
11	Total ultimate customers	5,178,049	66,656	22,002	197,019
12	Per cent of total for Canada	100.00	1.29	0.43	3.80
Publicly-operated:					
Ultimate customers in Canada:					
13	Domestic and farm ¹	3,192,449	180	2,159	61,924
14	Commercial	365,106	—	412	7,802
15	Power	66,752	—	69	1,260
16	Street lighting	2,981	—	1	188
17	Total ultimate customers	3,627,288	180	2,641	71,174
18	Per cent of total for Canada	100.00	0.01	0.07	1.96
Privately-operated:					
Ultimate customers in Canada:					
19	Domestic and farm ¹	1,340,901	59,269	16,383	106,701
20	Commercial	168,882	6,421	2,787	12,439
21	Power	38,595	761	170	6,631
22	Street lighting	2,383	25	21	74
23	Total ultimate customers	1,550,761	66,476	19,361	125,845
24	Per cent of total for Canada	100.00	4.29	1.25	8.11
Industrial establishments:					
Ultimate customers in Canada:					
25	Domestic and farm ¹	9,430	480	—	—
26	Commercial	708	13	—	—
27	Power	46	2	—	2
28	Street lighting	19	1	—	—
29	Total ultimate customers	10,203	496	—	2
30	Per cent of total for Canada	100.00	4.86	—	0.02

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 6. Customers at End of Year, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
141,283	1,225,796	1,755,369	235,239	215,732	290,140	428,418	3,707	1
6,482	146,223	168,456	39,923	34,081	44,266	64,203	1,188	2
2,542	20,280	27,067	11,556	5,134	20,739	8,999	181	3
285	1,674	794	539	878	562	327	14	4
150,592	1,393,973	1,951,686	287,257	255,825	355,707	501,947	5,090	5
2.90	26.87	37.62	5.54	4.93	6.86	9.67	0.10	6
141,283	1,223,047	1,753,460	234,817	215,651	289,883	424,946	3,647	7
6,480	146,021	168,339	39,881	34,079	44,252	63,887	1,188	8
2,542	20,263	27,060	11,555	5,134	20,739	8,983	180	9
285	1,666	790	538	878	561	323	14	10
150,590	1,390,997	1,949,649	286,791	255,742	355,435	498,139	5,029	11
2.91	26.86	37.65	5.54	4.94	6.86	9.62	0.10	12
130,468	568,880	1,718,288	231,404	214,544	157,855	106,096	651	13
4,788	72,357	164,600	39,534	33,942	23,696	17,409	566	14
2,289	9,929	26,737	11,498	5,123	7,549	2,291	7	15
275	144	766	535	874	14	179	5	16
137,820	651,310	1,910,391	282,971	254,483	189,114	125,975	1,229	17
3.80	17.96	52.67	7.80	7.02	5.21	3.47	0.03	18
10,815	654,167	35,172	3,413	1,107	132,028	318,850	2,996	19
1,692	73,664	3,739	347	137	20,556	46,478	622	20
253	10,334	323	57	11	13,190	6,692	173	21
10	1,522	24	3	4	547	144	9	22
12,770	739,687	39,258	3,820	1,259	166,321	372,164	3,800	23
0.82	47.70	2.53	0.25	0.08	10.72	24.00	0.25	24
—	2,749	1,909	422	81	257	3,472	60	25
2	202	117	42	2	14	316	—	26
—	17	7	1	—	—	16	1	27
—	8	4	1	—	1	4	—	28
2	2,976	2,037	466	83	272	3,808	61	29
0.02	29.17	19.96	4.57	0.81	2.67	37.32	0.60	30

TABLE 7. Revenue From Sale of Electricity, 1960

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities and industrial establishments:				
	Revenue from ultimate customers in Canada:				
1	Domestic and farm ¹	325,946	3,901	1,352	12,727
2	Commercial	151,522	1,592	756	4,972
3	Power—Excluding deliveries to electric boilers ..	303,562	5,034	374	10,424
4	Deliveries to electric boilers	8,140	47	—	—
5	Street lighting	16,166	148	62	630
6	Total revenue from ultimate customers	805,336	10,722	2,544	28,753
7	Per cent of total for Canada	100.00	1.33	0.32	3.57
	Revenue from electricity exported:				
8	To other provinces—Primary .....	...	202	—	782
9	Secondary .....	...	—	—	—
10	To United States—Primary	4,328	—	—	—
11	Secondary	10,023	—	—	—
12	Total revenue from exports	14,351	202	—	782
13	Total (Ultimate customers and exports)	819,687	10,924	2,544	29,535
	Electric utilities:				
	Publicly and privately-operated:				
	Revenue from ultimate customers in Canada:				
14	Domestic and farm ¹	325,164	3,876	1,352	12,727
15	Commercial	150,886	1,584	756	4,972
16	Power—Excluding deliveries to electric boilers	303,133	5,029	374	10,423
17	Deliveries to electric boilers	8,140	47	—	—
18	Street lighting	16,123	148	62	630
19	Total revenue from ultimate customers	803,446	10,684	2,544	28,752
20	Per cent of total for Canada	100.00	1.33	0.32	3.58
	Revenue from electricity exported:				
21	To other provinces—Primary .....	...	—	—	782
22	Secondary .....	...	—	—	—
23	To United States—Primary	4,029	—	—	—
24	Secondary	9,659	—	—	—
25	Total revenue from exports	13,688	—	—	782
26	Total (Ultimate customers and exports)	817,134	10,684	2,544	29,534
	Publicly-operated:				
	Revenue from ultimate customers in Canada:				
27	Domestic and farm ¹	221,823	5	195	4,011
28	Commercial	101,367	—	165	1,312
29	Power—Excluding deliveries to electric boilers	193,367	—	28	2,045
30	Deliveries to electric boilers	1,383	—	—	—
31	Street lighting	11,401	—	21	154
32	Total revenue from ultimate customers	529,341	5	409	7,522
33	Per cent of total for Canada	100.00	—	0.08	1.42

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 7. Revenue From Sale of Electricity, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
10,601	72,571	124,933	16,722	18,803	19,280	44,365	691	1
2,976	39,521	49,893	8,077	8,041	12,403	22,294	997	2
7,354	92,486	123,573	10,144	7,201	19,528	25,750	1,694	3
—	6,969	616	419	—	—	—	89	4
586	3,473	6,633	851	816	1,434	1,513	20	5
21,517	215,020	305,648	36,213	34,861	52,645	93,922	3,491	6
2.67	26.70	37.95	4.50	4.33	6.54	11.66	0.43	7
1	11,917	171	173	1,623	39	45	—	8
—	1,850	280	—	—	—	4	—	9
412	495	3,396	1	—	—	24	—	10
851	859	8,310	—	—	—	3	—	11
1,264	15,121	12,157	174	1,623	39	76	—	12
22,781	230,141	317,805	36,387	36,484	52,684	93,998	3,491	13
10,601	72,352	124,768	16,691	18,796	19,262	44,056	683	14
2,910	39,430	49,721	8,064	8,039	12,374	22,039	997	15
7,354	92,214	123,517	10,144	7,201	19,528	25,661	1,688	16
—	6,969	616	419	—	—	—	89	17
586	3,458	6,632	851	816	1,434	1,486	20	18
21,451	214,423	305,254	36,169	34,852	52,598	93,242	3,477	19
2.67	26.69	37.99	4.50	4.34	6.55	11.60	0.43	20
1	11,917	171	173	1,623	39	45	—	21
—	1,850	280	—	—	—	4	—	22
363	495	3,146	1	—	—	24	—	23
487	859	8,310	—	—	—	3	—	24
851	15,121	11,907	174	1,623	39	76	—	25
22,302	229,544	317,161	36,343	36,475	52,637	93,318	3,477	26
9,739	30,890	122,228	16,330	18,661	8,978	10,564	222	27
2,262	19,590	48,461	7,939	7,961	6,732	6,287	658	28
7,085	33,480	117,020	8,833	7,189	7,805	8,566	1,316	29
—	259	616	419	—	—	—	89	30
534	1,282	6,490	837	810	833	435	5	31
19,620	85,501	294,815	34,358	34,621	24,348	25,852	2,290	32
3.71	16.15	55.70	6.49	6.54	4.60	4.88	0.43	33

TABLE 7. Revenue From Sale of Electricity, 1960 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Concluded:				
	Publicly-operated — Concluded:				
	Revenue from electricity exported:				
1	To other provinces — Primary .....	...	—	—	173
2	Secondary .....	...	—	—	—
3	To United States — Primary	2,275	—	—	—
4	Secondary	9,043	—	—	—
5	Total revenue from exports	11,318	—	—	173
6	Total (Ultimate customers and exports).....	540,659	5	409	7,695
	Privately-operated:				
	Revenue from ultimate customers in Canada:				
7	Domestic and farm ¹	103,341	3,871	1,157	8,716
8	Commercial	49,519	1,584	591	3,660
9	Power—Excluding deliveries to electric boilers	109,766	5,029	346	8,378
10	Deliveries to electric boilers	6,757	47	—	—
11	Street lighting	4,722	148	41	476
12	Total revenue from ultimate customers	274,105	10,679	2,135	21,230
13	Per cent of total for Canada	100.00	3.90	0.78	7.74
	Revenue from electricity exported:				
14	To other provinces — Primary .....	...	—	—	609
15	Secondary .....	...	—	—	—
16	To United States — Primary	1,754	—	—	—
17	Secondary	616	—	—	—
18	Total revenue from exports	2,370	—	—	609
19	Total (Ultimate customers and exports).....	276,475	10,679	2,135	21,839
	Industrial establishments:				
	Revenue from ultimate customers in Canada:				
20	Domestic and farm ¹	782	25	—	—
21	Commercial	636	8	—	—
22	Power—Excluding deliveries to electric boilers	429	5	—	1
23	Deliveries to electric boilers	—	—	—	—
24	Street lighting	43	—	—	—
25	Total revenue from ultimate customers	1,890	38	—	1
26	Per cent of total for Canada	100.00	2.01	—	0.05
	Revenue from electricity exported:				
27	To other provinces — Primary .....	...	202	—	—
28	Secondary .....	...	—	—	—
29	To United States — Primary	299	—	—	—
30	Secondary	364	—	—	—
31	Total revenue from exports	663	202	—	—
32	Total (Ultimate customers and exports)	2,553	240	—	1

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 7. Revenue From Sale of Electricity, 1960 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
1	3,501	171	118	1	—	—	—	1
—	1,694	280	—	—	—	4	—	2
1	423	1,850	1	—	—	—	—	3
257	630	8,156	—	—	—	—	—	4
259	6,248	10,457	119	1	—	4	—	5
19,879	91,749	305,272	34,477	34,622	24,348	25,856	2,290	6
862	41,462	2,540	361	135	10,284	33,492	461	7
648	19,840	1,260	125	78	5,642	15,752	339	8
269	58,734	6,497	1,311	12	11,723	17,095	372	9
—	6,710	—	—	—	—	—	—	10
52	2,176	142	14	6	601	1,051	15	11
1,831	128,922	10,439	1,811	231	28,250	67,390	1,187	12
0.67	47.03	3.81	0.66	0.08	10.31	24.59	0.43	13
—	8,416	—	55	1,622	39	45	—	14
—	156	—	—	—	—	—	—	15
362	72	1,296	—	—	—	24	—	16
230	229	154	—	—	—	3	—	17
592	8,873	1,450	55	1,622	39	72	—	18
2,423	137,795	11,889	1,866	1,853	28,289	67,462	1,187	19
—	219	165	31	7	18	309	8	20
66	91	172	13	2	29	255	—	21
—	272	56	—	—	—	89	6	22
—	—	—	—	—	—	—	—	23
—	15	1	—	—	—	27	—	24
66	597	394	44	9	47	680	14	25
3.49	31.59	20.85	2.33	0.47	2.49	35.98	0.74	26
—	—	—	—	—	—	—	—	27
—	—	—	—	—	—	—	—	28
49	—	250	—	—	—	—	—	29
364	—	—	—	—	—	—	—	30
413	—	250	—	—	—	—	—	31
479	597	644	44	9	47	680	14	32

TABLE 8. Domestic and Farm Service, 1939-60¹

No.			Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establish- ments:					
	Customers:					
1	1939	No.	1,623,672	..	5,067	62,034
2	1945	"	1,987,360	..	6,387	84,011
3	1950	"	2,797,378	30,311	10,298	124,860
4	1959	"	4,381,564	55,571	16,721	166,393
5	1960	"	4,542,780	59,929	18,542	168,625
	Kilowatt-hours sold:					
6	1939	'000 kwh.	2,310,891	..	2,908	39,084
7	1945	"	3,365,497	..	5,217	70,099
8	1950	"	6,750,303	40,051	10,526	147,522
9	1959	"	19,007,111	160,820	27,033	434,396
10	1960	"	20,391,857	169,481	30,130	461,926
	Revenue received:					
11	1939	\$'000	43,793	..	163	1,709
12	1945	"	55,736	..	239	2,286
13	1950	"	109,015	835	584	4,421
14	1959	"	305,662	3,602	1,288	11,621
15	1960	"	325,946	3,901	1,352	12,727
	Kilowatt-hours per customer:					
16	1939	kwh.	1,423	..	574	630
17	1945	"	1,693	..	817	834
18	1950	"	2,413	1,321	1,022	1,181
19	1959	"	4,338	2,894	1,617	2,611
20	1960	"	4,489	2,828	1,625	2,739
	Average annual bill:					
21	1939	\$	26.97	..	32.21	27.56
22	1945	\$	28.05	..	37.35	27.21
23	1950	\$	38.97	27.57	56.69	35.41
24	1959	\$	69.76	64.82	77.03	69.84
25	1960	\$	71.75	65.09	72.38	75.48
	Revenue per kilowatt-hour:					
26	1939	cents	1.90	..	5.61	4.37
27	1945	"	1.66	..	4.57	3.26
28	1950	"	1.61	2.09	5.55	3.00
29	1959	"	1.61	2.24	4.76	2.68
30	1960	"	1.60	2.30	4.49	2.76
	Farm service, 1960: ¹					
31	Customers	No.	484,633	3,294	10,417	28,514
32	Kilowatt-hours sold	'000 kwh.	2,105,787	4,436	12,808	35,320
33	Revenue received	\$'000	46,760	215	666	1,492
34	Kilowatt-hours per customer	No.	4,345	1,130	1,230	1,239
35	Average annual bill	\$	96.49	54.79	63.93	52.33
36	Revenue per kilowatt-hour	cents	2.22	4.85	5.20	4.22

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records. At the bottom of the page, however, farm figures are tabulated as reported.

TABLE 8. Domestic and Farm Service, 1939 - 60¹

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
46,485	434,825	719,871	81,091	49,980	68,267	156,052	..	1
62,175	558,865	839,968	94,673	61,285	87,005	192,991	..	2
95,540	778,878	1,104,317	144,122	94,734	134,132	278,417	1,769	3
128,207	1,175,811	1,710,079	231,662	201,900	275,395	416,251	3,574	4
141,283	1,225,796	1,755,369	235,239	215,732	290,140	428,418	3,707	5
26,989	311,420	1,374,325	320,827	41,198	42,210	151,930	..	6
45,958	507,274	1,963,043	416,499	58,402	63,962	235,043	..	7
97,752	1,199,887	3,662,862	689,335	128,221	164,205	607,427	2,515	8
300,825	4,553,174	8,780,654	1,388,330	600,526	787,492	1,963,660	10,201	9
328,107	5,000,588	9,318,141	1,454,613	646,234	867,319	2,102,048	13,270	10
1,308	9,167	19,658	3,312	2,004	2,145	4,327	..	11
1,883	11,926	23,699	4,238	2,566	2,932	5,967	..	12
3,747	23,821	44,724	7,939	4,871	5,385	12,525	163	13
9,959	67,457	117,629	15,924	18,087	17,990	41,547	558	14
10,601	72,571	124,933	16,722	18,803	19,280	44,365	691	15
581	716	1,909	3,956	824	618	974	..	16
739	908	2,337	4,399	953	735	1,218	..	17
1,023	1,541	3,317	4,783	1,353	1,224	2,182	1,422	18
2,346	3,872	5,135	5,993	2,974	2,859	4,717	2,854	19
2,322	4,079	5,308	6,184	2,996	2,989	4,907	3,580	20
28.13	21.08	27.31	40.84	40.10	31.42	27.73	..	21
30.29	21.34	28.21	44.76	41.87	33.70	30.92	..	22
39.22	30.58	40.50	55.08	51.42	40.15	44.99	92.23	23
77.68	57.37	68.79	68.74	89.58	65.32	99.81	156.13	24
75.03	59.20	71.17	71.09	87.16	66.45	103.56	186.40	25
4.85	2.94	1.43	1.03	4.87	5.08	2.85	..	26
4.10	2.35	1.21	1.02	4.39	4.59	2.54	..	27
3.83	1.99	1.22	1.15	3.80	3.28	2.06	6.49	28
3.31	1.48	1.34	1.15	3.01	2.28	2.12	5.47	29
3.23	1.45	1.34	1.16	2.91	2.22	2.11	4.67	30
20,854	106,216	143,424	39,162	59,384	49,757	23,611	..	31
44,339	328,840	859,865	216,279	196,762	200,490	206,648	..	32
1,490	6,891	17,270	3,932	7,113	4,412	3,279	..	33
2,126	3,096	5,995	5,523	3,313	4,029	8,752	..	34
71.50	64.88	120.41	100.40	119.78	88.67	138.88	..	35
3.36	2.10	2.01	1.82	3.62	2.20	1.59	..	36

TABLE 9. Pole Line Mileage at End of Year, 1960

No.		Canada	New-foundland.	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	Steel — Towers	11,579	66	—	81
2	Poles	204	47	—	1
3	Aluminum — Towers	—	—	—	—
4	Poles	1	—	—	—
5	Wood pole — Transmission	46,215	459	135	2,226
6	Distribution	256,774	2,111	1,615	8,804
7	Concrete pole	798	—	—	—
8	Cable (under ground and — Under 69 kv. submarine)	4,659	10	—	35
9	69 kv. and over	336	—	—	—
10	Other	52	—	—	—
11	Total pole line mileage	320,618	2,693	1,750	11,147
12	Per cent of total for Canada	100.00	0.84	0.55	3.48

TABLE 10. Circuit Mileage of Electric Line at End of Year, 1960

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	20,000 - 49,999 volts	26,871	165	106	932
2	50,000 - 99,999 "	13,133	297	—	787
3	100,000 - 149,999 "	15,225	—	—	188
4	150,000 - 199,999 "	568	—	—	—
5	200,000 - 249,999 "	5,427	—	—	—
6	250,000 - 299,999 "	—	—	—	—
7	300,000 - 349,999 "	2,115	—	—	—
8	350,000 volts and over	204	—	—	—
9	Total circuit mileage¹	63,543	462	106	1,907
10	Per cent of total for Canada	100.00	0.73	0.17	3.00

¹ Includes all circuits, overhead or underground, of 22,000 volts and over whether described as transmission or distribution.

TABLE 9. Pole Line Mileage at End of Year, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
559	3,432	5,609	1,146	12	49	625	—	1
1	53	78	3	21	—	—	—	2
—	—	—	—	—	—	—	—	3
—	—	1	—	—	—	—	—	4
1,110	5,048	9,692	4,128	9,744	10,200	3,290	183	5
8,647	34,797	58,157	30,002	57,013	42,811	12,664	153	6
12	5	670	—	1	110	—	—	7
9	1,614	1,968	164	61	419	378	1	8
—	57	65	14	4	13	183	—	9
—	—	33	—	—	—	19	—	10
10,338	45,006	76,273	35,457	66,856	53,602	17,159	337	11
3.22	14.04	23.79	11.06	20.85	16.72	5.35	0.10	12

TABLE 10. Circuit Mileage of Electric Line at End of Year, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Yukon and N.W.T.	No.
131	2,866	6,873	1,797	6,918	6,780	298	5	1
1,112	2,260	309	1,750	1,872	2,096	2,618	32	2
423	2,529	6,765	2,077	872	1,315	956	100	3
—	478	—	—	90	—	—	—	4
—	1,071	4,091	—	—	—	265	—	5
—	—	—	—	—	—	—	—	6
—	2,115	—	—	—	—	—	—	6
—	—	—	—	—	—	—	—	7
—	—	—	1	—	—	203	—	8
1,666	11,319	18,038	5,625	9,732	10,191	4,340	137	9
2.62	17.81	28.39	8.85	15.35	16.04	6.83	0.21	10

TABLE 11. Fuel Used to Generate Electricity, 1960

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
	Quantity of fuel:				
	Coal:				
1	Bituminous — Canadian short ton	698,676	—	—	493,916
2	Imported "	117,898	—	—	—
3	Sub-bituminous "	255,050	—	—	—
4	Saskatchewan lignite "	774,525	—	—	—
5	Other "	—	—	—	—
6	Total coal "	1,846,149	—	—	493,916
	Petroleum fuels:				
7	Furnace fuel oil — Light Imp. gallon	2,154,067	—	—	115,036
8	Heavy "	58,343,857	4,068,320	6,549,688	11,899,583
9	Diesel fuel oil "	11,052,772	433,635	477,279	100,708
10	Other "	156,680	—	—	—
11	Total petroleum fuels "	71,707,376	4,501,955	7,026,967	12,115,327
	Gas:				
12	Natural M. cu. ft.	37,940,728	—	—	—
13	Manufactured "	—	—	—	—
14	Total gas "	37,940,728	—	—	—
15	Other fuels "	—	—	—	—
	Cost of fuel:				
	Coal:				
16	Bituminous — Canadian \$	6,839,000	—	—	5,203,562
17	Imported \$	1,028,244	—	—	—
18	Sub-bituminous \$	571,404	—	—	—
19	Saskatchewan lignite \$	1,352,988	—	—	—
20	Other \$	—	—	—	—
21	Total coal \$	9,791,636	—	—	5,203,562
	Petroleum fuels:				
22	Furnace fuel oil — Light \$	291,952	—	—	23,910
23	Heavy \$	4,030,045	282,076	391,573	772,524
24	Diesel fuel oil \$	2,060,093	63,599	73,810	17,756
25	Other \$	12,760	—	—	—
26	Total petroleum fuels \$	6,395,850	345,675	465,383	814,190
	Gas:				
27	Natural \$	5,144,747	—	—	—
28	Manufactured \$	—	—	—	—
29	Total gas \$	5,144,747	—	—	—
30	Other fuels \$	—	—	—	—
31	Total all fuels \$	21,332,233	345,675	465,383	6,017,752
32	Per cent of total for Canada	100.00	1.62	2.18	28.21

TABLE 11. Fuel Used to Generate Electricity, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
202,324	—	—	210	—	2,226	—	—	1
—	—	117,898	—	—	—	—	—	2
—	—	—	—	50,684	204,366	—	—	3
—	—	—	55,376	719,149	—	—	—	4
—	—	—	—	—	—	—	—	5
202,324	—	117,898	55,586	769,833	206,592	—	—	6
98,241	—	1,113,665	446,089	329,337	10,699	—	41,000	7
7,844,006	—	—	—	25,939,755	1,197,079	110,787	734,639	8
693,079	2,343,068	539,229	641,475	375,083	431,995	4,641,043	376,178	9
—	—	—	—	—	—	156,680	—	10
8,635,326	2,343,068	1,652,894	1,087,564	26,644,175	1,639,773	4,908,510	1,151,817	11
—	—	100,648	129,127	8,155,690	27,876,986	1,678,277	—	12
—	—	—	—	—	—	—	—	13
—	—	100,648	129,127	8,155,690	27,876,986	1,678,277	—	14
—	—	—	—	—	—	—	—	15
1,620,457	—	—	2,415	—	12,566	—	—	16
—	—	1,028,244	—	—	—	—	—	17
—	—	—	—	267,120	304,284	—	—	18
—	—	—	226,781	1,126,207	—	—	—	19
—	—	—	—	—	—	—	—	20
1,620,457	—	1,028,244	229,196	1,393,327	316,850	—	—	21
14,131	—	135,123	63,700	47,426	1,762	—	5,900	22
882,574	—	—	—	1,454,908	46,283	15,851	184,256	23
126,233	364,943	157,405	112,758	68,392	87,037	873,367	114,793	24
—	—	—	—	—	—	13,760	—	25
1,022,938	364,943	292,528	176,458	1,570,726	135,082	902,978	304,949	26
—	—	36,578	37,467	1,082,655	3,549,288	438,759	—	27
—	—	—	—	—	—	—	—	28
—	—	36,578	37,467	1,082,655	3,549,288	438,759	—	29
—	—	—	—	—	—	—	—	30
2,643,395	364,943	1,357,350	443,121	4,046,708	4,001,220	1,341,737	304,949	31
12.39	1.71	6.36	2.08	18.97	18.76	6.29	1.43	32

TABLE 11. Fuel Used to Generate Electricity, 1960 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated — Concluded:				
	Average B.t.u. content of fuel:				
	Coal:				
1	Bituminous — Canadian per pound	11,996	—	—	12,066
2	Imported "	12,368	—	—	—
3	Sub-bituminous "	8,330	—	—	—
4	Saskatchewan lignite "	6,550	—	—	—
5	Other "	—	—	—	—
	Petroleum fuels:				
6	Furnace fuel oil—Light per Imp. gal.	169,783	—	—	180,424
7	Heavy "	180,633	182,598	184,993	180,905
8	Diesel fuel oil "	165,579	175,944	172,200	168,547
9	Other "	161,000	—	—	—
	Gas:				
10	Natural per stand. cu. ft. ¹	1,014	—	—	—
11	Manufactured "	—	—	—	—
	Energy generated: ²				
	By coal:				
12	Bituminous — Canadian '000 kwh.	1,265,085	—	—	863,641
13	Imported "	165,069	—	—	—
14	Sub-bituminous "	274,156	—	—	—
15	Saskatchewan lignite "	707,823	—	—	—
16	Other "	—	—	—	—
17	Total coal "	2,412,133	—	—	863,641
	By petroleum fuels:				
18	Furnace fuel oil—Light "	6,802	—	—	1,271
19	Heavy "	616,375	42,042	72,487	176,129
20	Diesel fuel oil "	148,715	5,156	6,550	1,358
21	Other "	1,118	—	—	—
22	Total petroleum fuels "	773,010	47,198	79,037	178,758
	By gas:				
23	Natural "	2,689,449	—	—	—
24	Manufactured "	—	—	—	—
25	Total gas "	2,689,449	—	—	—
26	By other fuels "	—	—	—	—
27	Total all fuels "	5,874,592	47,198	79,037	1,042,399
28	Per cent of total for Canada	100.00	0.80	1.35	17.74

¹ Standard cubic foot—760 mm. mercury, 60° F.

TABLE 11. Fuel Used to Generate Electricity, 1960 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
11,825	—	—	12,800	—	12,000	—	—	1
—	—	12,368	—	—	—	—	—	2
—	—	—	—	8,300	8,338	—	—	3
—	—	—	7,201	6,500	—	—	—	4
—	—	—	—	—	—	—	—	5
166,000	—	169,118	165,000	176,000	165,000	—	160,000	6
182,162	—	—	—	178,976	185,963	180,000	160,000	7
166,252	161,144	164,867	168,981	170,000	166,916	165,058	166,835	8
—	—	—	—	—	—	161,000	—	9
—	—	1,030	1,020	1,006	1,018	1,001	—	10
—	—	—	—	—	—	—	—	11
399,628	—	—	18	—	1,798	—	—	12
—	—	165,069	—	—	—	—	—	13
—	—	—	—	54,501	219,655	—	—	14
—	—	—	57,743	650,080	—	—	—	15
—	—	—	—	—	—	—	—	16
399,628	—	165,069	57,761	704,581	221,453	—	—	17
10	—	—	—	4,311	56	—	1,154	18
11,856	—	—	—	287,808	13,170	—	12,883	19
9,637	23,183	6,010	9,453	4,988	4,286	64,147	3,947	20
—	—	—	—	—	—	1,118	—	21
21,503	33,183	6,010	9,453	297,107	17,512	65,265	17,984	22
—	—	10,783	8,547	515,505	2,000,721	153,893	—	23
—	—	—	—	—	—	—	—	24
—	—	10,783	8,547	515,505	2,000,721	153,893	—	25
—	—	—	—	—	—	—	—	26
421,131	33,183	181,862	75,761	1,517,193	2,239,686	219,158	17,984	27
7.17	0.56	3.10	1.29	25.83	38.12	3.73	0.31	28

¹ Net output after deducting station service.

TABLE 12. Employees, Wages, and Salaries, 1960

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
	Employees (excluding construction employees):				
1	Administrative No.	18,193	180	20	544
2	Operating "	22,866	422	152	1,059
3	Total employees "	41,059	602	172	1,603
4	Per cent of total for Canada	100.00	1.47	0.42	3.90
	Wages and salaries (excluding construction employees):				
5	Administrative \$'000	86,105	610	118	2,166
6	Operating "	103,994	1,390	503	4,090
7	Total wages and salaries "	190,099	2,000	621	6,256
8	Per cent of total for Canada	100.00	1.05	0.32	3.30
	Publicly-operated:				
	Employees (excluding construction employees):				
9	Administrative No.	13,840	—	7	195
10	Operating "	16,719	1	20	405
11	Total employees "	30,559	1	27	600
12	Per cent of total for Canada	100.00	—	0.09	1.96
	Wages and salaries (excluding construction employees):				
13	Administrative \$'000	63,787	—	24	768
14	Operating "	77,091	1	58	1,374
15	Total wages and salaries "	140,878	1	82	2,142
16	Per cent of total for Canada	100.00	—	0.06	1.52
	Privately-operated:				
	Employees (excluding construction employees):				
17	Administrative No.	4,353	180	13	349
18	Operating "	6,147	421	132	654
19	Total employees "	10,500	601	145	1,003
20	Per cent of total for Canada	100.00	5.72	1.38	9.55
	Wages and salaries (excluding construction employees):				
21	Administrative \$'000	22,318	610	94	1,398
22	Operating "	26,903	1,389	445	2,716
23	Total wages and salaries "	49,221	1,999	539	4,114
24	Per cent of total for Canada	100.00	4.06	1.09	8.36

TABLE 12. Employees, Wages, and Salaries, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
459	4,985	8,481	918	831	705	1,009	61	1
665	5,148	9,831	1,681	1,482	1,044	1,258	124	2
1,124	10,133	18,312	2,599	2,313	1,749	2,267	185	3
2.74	24.68	44.60	6.33	5.63	4.26	5.52	0.45	4
1,933	23,578	40,496	4,125	3,357	3,531	5,859	332	5
2,384	21,625	45,537	7,270	7,780	5,463	7,337	615	6
4,317	45,203	86,033	11,395	11,137	8,994	13,196	947	7
2.27	23.78	45.26	5.99	5.86	4.73	6.94	0.50	8
441	2,531	8,355	915	817	292	237	50	9
627	2,017	9,526	1,681	1,380	446	522	94	10
1,068	4,548	17,881	2,596	2,197	738	759	144	11
3.50	14.88	58.51	8.50	7.19	2.42	2.48	0.47	12
1,854	11,016	39,803	4,112	3,265	1,382	1,294	269	13
2,233	8,946	44,048	7,270	7,346	2,296	3,056	463	14
4,087	19,962	83,851	11,382	10,611	3,678	4,350	732	15
2.90	14.17	59.52	8.08	7.53	2.61	3.09	0.52	16
18	2,454	126	3	14	413	772	11	17
38	3,131	305	—	102	598	736	30	18
56	5,585	431	3	116	1,011	1,508	41	19
0.53	53.19	4.11	0.03	1.11	9.63	14.36	0.39	20
79	12,562	693	13	92	2,149	4,565	63	21
151	12,679	1,489	—	434	3,167	4,281	152	22
230	25,241	2,182	13	526	5,316	8,846	215	23
0.47	51.28	4.43	0.03	1.07	10.80	17.97	0.44	24

TABLE 13. Assets and Liabilities at End of Year, 1960

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	3,622,545	65,992	5,725	76,458
2	Transmission	1,356,518	6,251	918	25,997
3	Distribution	1,545,580	18,957	4,698	47,200
4	Other property and equipment	458,900	4,427	557	22,099
5	Total	6,983,543	95,627	11,898	171,754
6	Accumulated depreciation	1,154,291	12,824	2,301	28,457
7	Total, less depreciation	5,829,252	82,803	9,597	143,297
8	Other fixed assets, less depreciation	254,543	—	2,383	1,610
9	Total fixed assets	6,083,795	82,803	11,980	144,907
	Current assets:				
10	Cash on hand and in banks	58,637	328	122	923
11	Temporary investments	100,378	841	—	2,032
12	Accounts receivable (net)	133,532	1,364	477	3,974
13	Inventories	87,150	1,000	267	2,466
14	Other	12,749	122	.54	343
15	Total current assets	392,446	3,655	920	9,738
	Investments:				
16	In associated companies	51,427	1,798	—	2,805
17	Reserve fund investments	289,649	—	—	9,900
18	Other	32,276	129	108	152
19	Total investments	373,352	1,927	108	12,857
20	Deferred charges and prepaid expenses	258,502	53	18	784
21	Other assets	64,602	1,180	157	642
22	Total assets	7,172,697	89,618	13,183	168,928
	Liabilities:				
23	Long-term debt	4,447,486	43,502	2,609	91,973
	Current liabilities:				
24	Accounts payable and accrued liabilities	167,053	2,719	630	5,510
25	Loans and notes payable	63,736	4,656	2,408	1,373
26	Other	91,614	744	153	1,680
27	Total current liabilities	322,403	8,119	3,191	8,563
28	Reserves	629,573	102	2,271	21,744
29	Deferred credits and other liabilities	160,474	2,115	1,177	2,845
	Capital and surplus:				
30	Share capital	688,275	27,134	785	25,383
31	Surplus—Capital	49,610	2,933	865	4,215
32	Earned	874,876	5,713	2,285	14,205
33	Total capital and surplus	1,612,761	35,780	3,935	43,803
34	Total liabilities	7,172,697	89,618	13,183	168,928

TABLE 13. Assets and Liabilities at End of Year, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
77,584	1,126,042	1,528,498	163,939	96,043	35,748	431,585	14,931	1
31,069	363,297	651,604	28,683	70,117	27,732	148,199	2,651	2
39,042	398,718	551,461	105,762	85,831	42,388	250,673	850	3
2,976	76,532	113,174	33,720	11,068	148,571	44,134	1,642	4
150,671	1,964,589	2,844,737	332,104	263,059	254,439	874,591	20,074	5
26,483	417,518	382,827	59,377	54,467	57,141	108,334	4,562	6
124,188	1,547,071	2,461,910	272,727	208,592	197,298	766,257	15,512	7
11,215	35,336	21,732	22,776	22,794	9,172	114,872	12,653	8
133,403	1,582,407	2,483,642	295,503	231,386	206,470	881,129	28,165	9
245	4,898	42,866	3,303	1,262	2,203	2,019	468	10
149	34,434	21,351	8,917	5,551	2,559	24,044	500	11
8,627	34,922	49,194	4,906	5,484	5,465	17,187	1,932	12
1,639	14,531	34,298	2,426	7,634	4,822	17,627	440	13
19	1,845	2,244	1,017	6,174	525	390	16	14
10,679	90,630	149,953	20,569	26,105	15,574	61,267	3,356	15
26	42,718	—	5	61	3,713	—	301	16
1,046	4,584	251,681	21,393	—	1,026	19	—	17
—	10,173	146	3,140	619	550	3,013	14,246	18
1,072	57,475	251,827	24,538	680	5,289	3,032	14,547	19
4,040	5,289	221,168	908	6,338	771	19,122	11	20
1	18,120	5,197	83	21,448	1,647	15,918	209	21
151,195	1,753,921	3,111,787	341,601	285,957	229,751	980,468	46,288	22
122,598	1,010,665	1,943,243	260,318	218,646	108,072	603,866	41,994	23
7,004	44,407	39,192	4,232	11,533	11,657	39,473	696	24
9,977	4,369	1,097	6,077	8,393	6,050	19,291	45	25
34	11,882	27,639	40,335	1,979	4,536	2,415	217	26
17,015	60,658	67,928	50,644	21,905	22,243	61,179	958	27
4,741	290,241	268,804	19,649	817	13,926	5,703	1,575	28
364	37,006	8,742	150	37,531	23,437	47,107	—	29
1,481	255,945	126,443	31	737	27,460	222,671	205	30
2,504	8,136	16,160	5,399	897	2,442	5,684	375	31
2,492	91,270	680,467	5,410	5,424	32,171	34,258	1,181	32
6,477	355,351	823,070	10,840	7,058	62,073	262,613	1,761	33
151,195	1,753,921	3,111,787	341,601	285,957	229,751	980,468	46,288	34

TABLE 13. Assets and Liabilities at End of Year, 1960 — Continued

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant.....	2,676,654	50	685	39,797
2	Transmission	1,056,916	260	98	9,932
3	Distribution	1,080,514	1,171	325	19,570
4	Other property and equipment.....	189,866	13	82	1,343
5	Total	5,003,950	1,494	1,190	70,642
6	Accumulated depreciation	705,831	—	396	1,814
7	Total, less depreciation	4,298,119	1,494	794	68,828
8	Other fixed assets, less depreciation	108,943	—	159	402
9	Total fixed assets	4,407,062	1,494	953	69,230
	Current assets:				
10	Cash on hand and in banks	49,476	—	4	311
11	Temporary investments	55,895	—	—	284
12	Accounts receivable (net).....	89,693	14	49	1,696
13	Inventories	60,160	—	28	879
14	Other	11,260	108	54	249
15	Total current assets	266,484	122	135	3,419
	Investments:				
16	In associated companies.....	3	—	—	—
17	Reserve fund investments	285,334	—	—	9,815
18	Other	27,053	—	31	76
19	Total investments	312,390	—	31	9,891
20	Deferred charges and prepaid expenses	238,501	—	—	68
21	Other assets	51,704	—	104	65
22	Total assets	5,276,141	1,616	1,223	82,673
	Liabilities:				
23	Long-term debt	3,546,939	—	236	53,186
	Current liabilities:				
24	Accounts payable and accrued liabilities	84,096	127	12	2,414
25	Loans and notes payable	38,139	—	83	753
26	Other	80,894	—	5	1,215
27	Total current liabilities	203,129	127	100	4,382
28	Reserves	616,079	—	35	19,046
29	Deferred credits and other liabilities	76,518	—	57	336
	Capital and surplus:				
30	Share capital	117,657	1,489	—	—
31	Surplus — Capital	30,728	—	795	3,256
32	Earned	685,091	—	—	2,467
33	Total capital and surplus	833,476	1,489	795	5,723
34	Total liabilities	5,276,141	1,616	1,223	82,673

TABLE 13. Assets and Liabilities at End of Year, 1960 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
75,845	639,014	1,489,829	163,939	84,032	19,325	150,185	13,953	1
30,592	225,733	640,905	28,683	69,104	13,644	35,511	2,454	2
36,345	213,059	542,895	105,383	85,622	33,640	42,504	—	3
2,657	24,126	108,624	33,585	10,299	3,630	4,107	1,400	4
145,439	1,101,932	2,782,253	331,590	249,057	70,239	232,307	17,807	5
24,855	157,176	363,533	59,158	44,354	22,144	28,318	4,083	6
120,584	944,756	2,418,720	272,432	204,703	48,095	203,989	13,724	7
11,215	17,754	11,030	22,776	22,794	5,765	4,422	12,626	8
131,799	962,510	2,429,750	295,208	227,497	53,860	208,411	26,350	9
173	193	41,770	3,296	1,172	1,462	698	397	10
149	17,156	21,021	8,917	5,551	2,297	21	499	11
8,535	16,327	47,116	4,855	5,460	1,476	2,648	1,517	12
1,596	8,929	33,922	2,426	7,360	2,875	1,745	400	13
19	876	2,241	1,017	6,172	422	87	15	14
10,472	43,481	146,070	20,511	25,715	8,532	5,199	2,828	15
—	3	—	—	—	—	—	—	16
1,046	452	251,602	21,393	—	1,026	—	—	17
—	8,918	—	3,139	619	24	—	14,246	18
1,046	9,373	251,602	24,532	619	1,050	—	14,246	19
4,036	612	220,497	908	6,333	—	6,047	—	20
1	8,555	5,154	83	21,431	253	15,868	190	21
147,354	1,024,531	3,053,073	341,242	281,595	63,695	235,525	43,614	22
121,602	694,609	1,918,705	260,318	218,453	32,758	206,092	40,980	23
6,864	15,055	37,170	4,200	11,295	2,051	4,565	343	24
9,977	691	1,052	6,077	8,393	9	11,104	—	25
32	7,954	27,536	40,106	1,507	950	1,381	208	26
16,873	23,700	65,758	50,383	21,195	3,010	17,050	551	27
4,623	287,036	268,793	19,649	817	10,306	4,253	1,521	28
362	12,830	7,309	83	37,500	15,390	2,651	—	29
101	13	115,175	—	231	2	646	—	30
2,060	5,635	6,286	5,399	897	1,702	4,698	—	31
1,733	708	671,047	5,410	2,502	527	135	562	32
3,894	6,356	792,508	10,809	3,630	2,231	5,479	562	33
147,354	1,024,531	3,053,073	341,242	281,595	63,695	235,525	43,614	34

TABLE 13. Assets and Liabilities at End of Year, 1960 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Privately-operated:				
	Assets:				
	Fixed Assets:				
	Electric utility (at original cost):				
1	Generating plant	945,891	65,942	5,040	36,661
2	Transmission	299,602	5,991	820	16,065
3	Distribution	465,066	17,786	4,373	27,630
4	Other property and equipment	269,034	4,414	475	20,756
5	Total	1,979,593	94,133	10,708	101,112
6	Accumulated depreciation	448,460	12,824	1,905	26,643
7	Total, less depreciation	1,531,133	81,309	8,803	74,469
8	Other fixed assets, less depreciation	145,600	—	2,224	1,208
9	Total fixed assets	1,676,733	81,309	11,027	75,677
	Current assets:				
10	Cash on hand and in banks	9,161	328	118	612
11	Temporary investments	44,483	841	—	1,748
12	Accounts receivable(net)	43,839	1,350	428	2,278
13	Inventories	26,990	1,000	239	1,587
14	Other	1,489	14	—	94
15	Total current assets	125,962	3,533	785	6,319
	Investments:				
16	In associated companies	51,424	1,798	—	2,805
17	Reserve fund investments	4,315	—	—	85
18	Other	5,223	129	77	76
19	Total investments	60,962	1,927	77	2,966
20	Deferred charges and prepaid expenses	20,001	53	18	716
21	Other assets	12,898	1,180	53	577
22	Total assets	1,896,556	88,002	11,960	86,255
	Liabilities:				
23	Long-term debt	900,547	43,502	2,373	38,787
	Current Liabilities:				
24	Accounts payable and accrued liabilities	82,957	2,592	618	3,096
25	Loans and notes payable	25,597	4,656	2,325	620
26	Other	10,720	744	148	465
27	Total current liabilities	119,274	7,992	3,091	4,181
28	Reserves	13,494	102	2,236	2,698
29	Deferred credits and other liabilities	83,956	2,115	1,120	2,509
	Capital and surplus:				
30	Share capital	570,618	25,645	785	25,383
31	Surplus — Capital	18,882	2,933	70	959
32	Earned	189,785	5,713	2,285	11,738
33	Total capital and surplus	779,285	34,291	3,140	38,080
34	Total liabilities	1,896,556	88,002	11,960	86,255

TABLE 13. Assets and Liabilities at End of Year, 1960 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
1,739	487,028	38,669	—	12,011	16,423	281,400	978	1
477	137,564	10,699	—	1,013	14,088	112,688	197	2
2,697	185,659	8,566	379	209	8,748	208,169	850	3
319	52,406	4,550	135	769	144,941	40,027	242	4
5,232	862,657	62,484	514	14,002	184,200	642,284	2,267	5
1,628	260,342	19,294	219	10,113	34,997	80,016	479	6
3,604	602,315	43,190	295	3,889	149,203	562,268	1,788	7
—	17,582	10,702	—	—	3,407	110,450	27	8
3,604	619,897	53,892	295	3,889	152,610	672,718	1,815	9
72	4,705	1,096	7	90	741	1,321	71	10
—	17,278	330	—	—	262	24,023	1	11
92	18,595	2,078	51	24	3,989	14,539	415	12
43	5,602	376	—	274	1,947	15,882	40	13
—	969	3	—	2	103	303	1	14
207	47,149	3,883	58	390	7,042	56,058	528	15
26	42,715	—	5	61	3,713	—	301	16
—	4,132	79	—	—	—	19	—	17
—	1,255	146	1	—	526	3,013	—	18
26	48,102	225	6	61	4,239	3,032	301	19
4	4,677	671	—	5	771	13,075	11	20
—	9,565	43	—	17	1,394	50	19	21
3,841	729,390	58,714	359	4,362	166,056	744,943	2,674	22
996	316,056	24,538	—	193	75,314	397,774	1,014	23
140	29,352	2,022	32	238	9,606	34,908	353	24
—	3,678	45	—	—	6,041	8,187	45	25
2	3,928	103	229	472	3,586	1,034	9	26
142	36,958	2,170	261	710	19,233	44,129	407	27
118	3,205	11	—	—	3,620	1,450	54	28
2	24,176	1,433	67	31	8,047	44,456	—	29
1,380	255,932	11,268	31	506	27,458	222,025	205	30
444	2,501	9,874	—	—	740	986	375	31
759	90,562	9,420	—	2,922	31,644	34,123	619	32
2,583	348,995	30,562	31	3,428	59,842	257,134	1,199	33
3,841	729,390	58,714	359	4,362	166,056	744,943	2,674	34

TABLE 14. Income Account, 1960

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Operating revenue:				
1	Sale of electricity ¹	1,037,144	11,258	2,646	35,154
2	Other	53,431	323	12	443
3	Total operating revenue	1,090,575	11,581	2,658	35,597
	Operating expense:				
4	Operation, maintenance and administration	334,597	3,118	1,230	15,997
5	Power purchased	229,036	640	81	5,501
6	Depreciation	136,733	2,152	373	3,634
7	Total operating expense	700,366	5,910	1,684	25,132
8	Operating income	390,209	5,671	974	10,465
9	Other income	18,323	115	2	376
10	Total income	408,532	5,786	976	10,841
	Income deductions:				
11	Interest on long-term debt	183,653	1,878	178	3,970
12	Income tax	50,370	1,699	319	2,579
13	Other deductions	71,372	287	14	1,114
14	Total income deductions	305,395	3,864	511	7,663
15	Net income	103,137	1,922	465	3,178
	Publicly-operated:				
	Operating revenue:				
16	Sale of electricity ¹	708,939	4	426	10,678
17	Other	10,160	8	7	52
18	Total operating revenue	719,099	12	433	10,730
	Operating expense:				
19	Operation, maintenance and administration	204,506	4	200	3,978
20	Power purchased	177,137	—	56	3,019
21	Depreciation	88,176	—	36	277
22	Total operating expense	469,819	4	292	7,274
23	Operating income	249,280	8	141	3,456
24	Other income	6,722	—	—	25
25	Total income	256,002	8	141	3,481
	Income deductions:				
26	Interest on long-term debt	145,324	—	27	2,206
27	Income tax	—	—	—	—
28	Other deductions	65,847	—	14	1,063
29	Total income deductions	211,171	—	41	3,269
30	Net income	44,831	8	100	212
	Privately-operated:				
	Operating revenue:				
31	Sale of electricity ¹	328,205	11,254	2,220	24,476
32	Other	43,271	315	5	391
33	Total operating revenue	371,476	11,569	2,225	24,867
	Operating expense:				
34	Operation, maintenance and administration	130,091	3,114	1,030	12,019
35	Power purchased	51,899	640	25	2,482
36	Depreciation	48,557	2,152	337	3,357
37	Total operating expense	230,547	5,906	1,392	17,858
38	Operating income	140,929	5,663	833	7,009
39	Other income	11,601	115	2	351
40	Total income	152,530	5,778	835	7,360
	Income deductions:				
41	Interest on long-term debt	38,329	1,878	151	1,764
42	Income tax	50,370	1,699	319	2,579
43	Other deductions	5,525	287	—	51
44	Total income deductions	94,224	3,864	470	4,394
45	Net income	58,306	1,914	365	2,966

¹ This table is a composite summation of all the reports received. Revenue from the sale of electricity, therefore, includes duplications arising from inter-utility sales and is larger than the revenue shown in Table 7.

TABLE 14. Income Account, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
25,685	271,602	443,373	47,596	38,701	62,809	94,424	3,896	1
144	5,778	3,090	2,205	47	1,576	39,345	468	2
25,829	277,380	446,463	49,801	38,748	64,385	133,769	4,364	3
9,572	78,290	118,880	16,459	16,324	18,399	54,593	1,735	4
5,129	47,420	140,683	12,576	2,488	10,849	3,037	632	5
4,034	36,487	42,931	10,447	8,418	6,996	21,179	82	6
18,735	162,197	302,494	39,482	27,230	36,244	78,809	2,449	7
7,094	115,183	143,969	10,319	11,518	28,141	54,960	1,915	8
2	8,446	75	1,225	1,846	191	6,021	24	9
7,096	123,629	144,044	11,544	13,364	28,332	60,981	1,939	10
5,051	39,180	82,504	8,649	9,111	4,613	27,992	527	11
179	22,606	2,525	—	191	6,758	13,375	139	12
1,105	20,725	41,619	1,604	738	2,739	858	569	13
6,335	82,511	126,648	10,253	10,040	14,110	42,225	1,235	14
761	41,118	17,396	1,291	3,324	14,222	18,756	704	15
23,226	106,046	428,178	47,012	36,861	28,883	25,066	2,559	16
123	2,893	2,978	2,204	41	1,198	195	461	17
23,349	108,939	431,156	49,216	36,902	30,081	25,261	3,020	18
8,879	27,057	115,351	16,411	15,383	8,286	7,599	1,358	19
3,925	5,739	137,466	12,061	2,378	10,271	2,174	48	20
3,907	17,489	41,262	10,426	8,016	1,390	5,373	—	21
16,711	50,285	294,079	38,898	25,777	19,947	15,146	1,406	22
6,638	58,654	137,077	10,318	11,125	10,134	10,115	1,614	23
1	3,032	4	1,225	1,846	1	588	—	24
6,639	61,686	137,081	11,543	12,971	10,135	10,703	1,614	25
4,990	27,886	81,418	8,649	9,101	1,474	9,075	498	26
—	—	—	—	—	—	—	—	27
1,105	17,304	41,003	1,604	738	2,362	85	569	28
6,095	45,190	122,421	10,253	9,839	3,836	9,160	1,067	29
544	16,496	14,660	1,290	3,132	6,299	1,543	547	30
2,459	165,556	15,195	584	1,840	33,926	69,358	1,337	31
21	2,885	112	1	6	378	39,150	7	32
2,480	168,441	15,307	585	1,846	34,304	108,508	1,344	33
693	51,233	3,529	48	941	10,113	46,994	377	34
1,204	41,681	3,217	515	110	578	863	584	35
127	18,998	1,669	21	402	5,606	15,806	82	36
2,024	111,912	8,415	584	1,453	16,297	63,663	1,043	37
456	56,529	6,892	1	393	18,007	44,845	301	38
1	5,414	71	—	—	190	5,433	24	39
457	61,943	6,963	1	393	18,197	50,278	325	40
61	11,294	1,086	—	10	3,139	18,917	29	41
179	22,606	2,525	—	191	6,758	13,375	139	42
—	3,421	616	—	—	377	773	—	43
240	37,321	4,227	—	201	10,274	33,065	168	44
217	24,622	2,736	1	192	7,923	17,213	157	45

TABLE 15. Taxes, 1960

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities – Publicly and privately-operated:				
1	Municipal	18,558	62	59	1,463
2	Provincial	13,999	21	1	4
3	Federal	43,883	1,699	312	2,582
4	Total taxes	76,440	1,782	372	4,049
5	Per cent of total for Canada	100.00	2.33	0.49	5.30
	Publicly-operated:				
6	Municipal	8,915	—	12	126
7	Provincial	3,026	—	—	1
8	Federal	2,026	—	—	—
9	Total taxes	13,967	—	12	127
10	Per cent of total for Canada	100.00	—	0.08	0.91
	Privately-operated:				
11	Municipal	9,643	62	47	1,337
12	Provincial	10,973	21	1	3
13	Federal	41,857	1,699	312	2,582
14	Total taxes	62,473	1,782	360	3,922
15	Per cent of total for Canada	100.00	2.85	0.58	6.28

TABLE 16. Capital and Repair Expenditure¹

No.		1958						
		Electric utilities ²			Other industries			Grand total
		Capital	Repair	Total	Capital	Repair	Total	
		thousands of dollars						
1	Electric power generating plants including water conveying and controlling structures	214,785	7,475	222,260	6,306	1,359	7,665	229,925
2	Electric transformer stations	45,130	5,255	50,385	2,719	358	3,077	53,462
3	Power transmission and distribution	173,480	22,336	195,816	5,507	3,022	8,529	204,345
4	Street lighting	5,134	1,699	6,833	4,180	2,471	6,651	13,484
5	Total generating transmission and distribution facilities	438,529	36,765	475,294	18,712	7,210	25,922	501,216
6	Dams and reservoirs	24,878	1,000	25,878	...	...	...	...
7	Other facilities	32,893	2,435	35,328	...	...	...	...
8	Total	496,300	40,200	536,500	...	...	...	...
9	Machinery and equipment	183,900	27,000	210,900	...	...	...	...
10	Total electric utilities	680,200	67,200	747,400	...	...	...	...

¹ Compiled by Business Finance Division, D.B.S.² Includes Aluminum Company of Canada Ltd.

TABLE 15. Taxes, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
210	5,384	5,564	634	379	1,989	2,810	4	1
27	11,236	812	—	4	17	1,874	3	2
187	17,486	3,718	—	182	5,934	11,643	140	3
424	34,106	10,094	634	565	7,940	16,327	147	4
0.55	44.62	13.20	0.83	0.74	10.39	21.36	0.19	5
101	794	4,869	634	375	1,701	303	—	6
2	2,804	208	—	—	—	11	—	7
13	142	1,546	—	—	—	325	—	8
116	3,740	6,623	634	375	1,701	639	—	9
0.83	26.78	47.42	4.54	2.68	12.18	4.58	—	10
109	4,590	695	—	4	288	2,507	4	11
25	8,432	604	—	4	17	1,863	3	12
174	17,344	2,172	—	182	5,934	11,318	140	13
308	30,366	3,471	—	190	6,239	15,688	147	14
0.49	48.61	5.56	—	0.30	9.99	25.11	0.23	15

TABLE 16. Capital and Repair Expenditures¹

1959							1960 ³			No.
Electric utilities ²			Other industries			Grand total	Electric utilities			
Capital	Repairs	Total	Capital	Repairs	Total		Capital	Repairs	Total	
thousands of dollars										
145,808	8,049	153,857	5,413	2,482	7,895	161,752	110,000	9,253	119,253	1
36,935	6,832	43,767	1,790	291	2,081	45,848	34,173	6,534	40,707	2
137,422	22,879	160,301	8,415	2,936	11,351	171,652	129,917	23,144	153,061	3
5,077	2,062	7,139	5,500	2,938	8,438	15,577	7,408	2,056	9,464	4
325,242	39,822	365,064	21,118	8,647	29,765	394,829	281,498	40,987	322,485	5
26,340	892	27,232	...	...	...	..	52,734	649	53,383	6
35,718	2,386	38,104	...	...	...	...	...	...	...	7
387,300	43,100	430,400	...	...	...	...	...	...	...	8
186,400	26,100	212,500	...	...	...	...	...	...	...	9
573,700	69,200	642,900	...	...	...	...	...	...	...	10

³ Tabulations incomplete.

TABLE 17. Supply and Demand of Electric Energy, Canada, 1947-59

No.		1947	1948	1949	1950	1951	1952
		thousands of kilowatt-hours					
	Supply of electric energy:						
	Hydro-generation (net):						
1	Utilities	35,131,866	34,711,939	36,062,361	39,712,673	46,096,297	49,215,356
2	Industries	9,710,877	9,951,910	11,543,554	12,028,120	11,931,911	12,836,212
3	Totals	44,842,743	44,663,849	47,605,915	51,740,793	58,028,208	62,051,568
	Thermal-generation (net): ¹						
4	Utilities	1,049,003	1,177,031	1,444,883	1,713,750	1,775,562	2,293,506
5	Industries	1,282,638	1,421,180	1,542,192	1,582,764	1,643,017	1,759,175
6	Totals	2,331,641	2,598,211	2,987,075	3,296,514	3,418,579	4,052,681
7	Grand total generation (3+6)	47,174,384	47,262,060	50,592,990	55,037,307	61,446,787	66,104,249
8	Imports from United States	53,037	86,391	31,205	2,591	8,956	19,985
9	Total supply of electric energy (7+8)	47,227,421	47,348,451	50,624,195	55,039,898	61,455,743	66,124,234
	Demand for electric energy:						
10	Residential and farm	4,383,222	4,984,280	5,678,847	6,750,303	7,726,114	8,741,182
	Manufacturing:						
11	Pulp and paper	12,289,081	10,349,565	11,746,007	12,406,106	13,163,186	13,992,244
12	Smelting and refining	8,055,757	8,861,033	9,069,938	9,744,654	10,618,376	11,816,235
13	Chemicals	2,814,679	3,113,253	3,092,400	3,444,158	3,905,450	3,708,681
14	Primary iron and steel	1,708,253	1,834,315	1,877,428	1,870,405	2,395,253	2,628,800
15	Abrasives	831,994	820,768	719,187	725,705	1,121,261	934,275
16	Other manufacturing	4,496,009	4,519,156	4,461,285	4,916,696	5,528,299	5,789,836
17	Totals (11-16)	30,195,773	29,498,090	30,966,245	33,107,724	36,731,825	38,870,071
18	Mining	2,120,859	2,180,028	2,293,906	2,530,100	2,813,306	2,942,388
	Commercial and other:						
19	At power rates ²	2,344,890	1,998,600	2,578,578	2,612,889	2,556,992	3,230,905
20	At commercial rates	2,060,614	2,154,853	2,409,203	2,809,459	3,152,501	3,489,248
21	Street lighting	245,442	263,639	285,136	303,276	320,722	348,246
22	Totals (19+20+21)	4,650,946	4,417,092	5,272,917	5,725,624	6,030,215	7,068,399
23	Line losses, free service, and unaccounted for	3,810,134	4,525,853	4,655,528	5,000,280	5,778,761	6,008,984
24	Residual error of estimate .....	...	...	...	...	...	...
25	Total domestic demand (10+17+18+22+23+24)	45,160,934	45,605,343	48,867,443	53,114,031	59,080,221	63,631,024
26	Total exports to United States ...	2,066,487	1,743,108	1,756,752	1,925,867	2,375,522	2,493,210
27	Total demand for electric energy (25+26)	47,227,421	47,348,451	50,624,195	55,039,898	61,455,743	66,124,234

¹ Estimated 1947-1955.² Includes municipal services and electric railways.

TABLE 17. Supply and Demand of Electric Energy, Canada, 1947-59

1953	1954	1955	1956	1957	1958	1959	1959		No.
							Purchased	Generated for own use ³	
thousands of kilowatt-hours									
49,408,537	53,009,910	59,663,529	64,242,172	66,040,067	71,171,268	77,767,745	...	...
14,902,931	15,801,193	16,691,805	17,597,796	17,333,153	19,337,932	19,272,085	...	...	2
64,311,468	68,811,103	76,355,334	81,839,968	83,373,220	90,509,200	97,039,830	...	...	3
3,836,239	3,282,190	3,386,194	4,403,530	5,482,927	4,781,864	5,281,140	...	...	4
1,840,579	1,883,346	1,993,827	2,160,747	2,223,279	2,194,560	2,308,186	...	...	5
5,676,818	5,165,536	5,380,021	6,564,277	7,706,206	6,976,424	7,589,326	...	...	6
69,988,286	73,976,639	81,735,355	88,404,245	91,079,426	97,485,624	104,629,156	...	...	7
180,637	119,024	158,562	239,173	569,260	245,062	512,002	...	...	8
70,168,923	74,095,663	81,893,917	88,643,418	91,648,686	97,730,686	105,141,158	...	...	9
9,877,727	11,280,513	12,759,657	14,338,789	15,857,618	17,290,984	19,007,111	19,007,111	—	10
14,715,214	15,396,869	15,061,699	15,231,701	16,101,866	18,287,601	19,371,129	14,617,675	4,753,454	11
13,086,978	13,443,776	14,935,557	15,102,804	14,704,891	16,119,685	15,634,645	3,785,736	11,848,909	12
3,969,546	4,196,478	4,247,490	4,481,714	4,831,978	5,697,214	5,947,418	4,761,497	1,185,921	13
1,927,430	1,578,562	2,211,756	2,676,760	2,553,634	1,818,214	2,303,182	2,193,273	109,909	14
1,029,784	790,158	1,024,459	1,127,217	1,201,933	902,249	1,070,647	1,070,647	—	15
6,398,626	6,783,162	7,332,613	8,221,139	8,663,935	9,065,964	10,313,409	9,804,983	508,426	16
41,127,578	42,189,005	44,813,574	46,841,335	48,058,237	51,890,927	54,640,430	36,233,811	18,406,619	17
2,914,609	3,129,504	3,427,535	4,075,465	4,339,053	4,649,257	4,809,849	4,274,376	535,473	18
3,129,554	3,361,786	3,999,853	4,306,232	3,588,800	3,270,012	3,712,280	3,711,607	673	19
3,881,423	4,210,156	4,703,909	5,323,363	6,112,574	7,224,949	8,058,275	8,058,275	—	20
379,815	406,609	461,722	473,726	511,439	554,733	602,930	602,930	—	21
7,390,792	7,978,551	9,165,484	10,103,321	10,212,813	11,049,694	12,373,485	12,372,812	673	22
6,434,187	6,799,782	7,294,207	8,232,578	8,380,724	8,796,110	9,646,582	8,991,491	655,091	23
...	...	...	-51,739	- 29,602	- 20,799	+ 83,082	...	...	24
67,744,893	71,377,355	77,460,457	83,539,749	86,818,843	93,656,173	100,560,539	...	...	25
2,424,030	2,718,308	4,433,460	5,103,669	4,829,843	4,074,513	4,580,619	4,580,619	...	26
70,168,923	74,095,663	81,893,917	88,643,418	91,648,686	97,730,686	105,141,158	...	...	27

³ Does not include all industrial generation, some of which may be sold.

CATALOGUE No.

57-202

ANNUAL



ELECTRIC POWER STATISTICS

1961



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CATALOGUE No.

57-202

ANNUAL

ELECTRIC POWER STATISTICS, 1961

ERRATA

On pages 12 and 13 Table 3, Energy Made Available, 1961 the following changes should be made:

<u>No.</u>		<u>Canada</u>	<u>British Columbia</u>
13	Losses	664,162	197,245
14	Total generated for own use	22,377,925	6,400,183
15	Total available for disposal in Canada	88,571,876	6,778,200

DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
Public Utilities Section

ELECTRIC POWER STATISTICS
1961

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dealing with

ELECTRIC POWER

Catalogue number	Title	Price
Annual		
57-201	Electric and Gas Meter Registrations. Approx. 242 pp. Meter registrations by province, county or census division, company and place served, by type of service.....	\$2.50
57-202	Electric Power Statistics. Approx. 43 pp. Summary and detailed analyses of generation and use of electric power in Canada, power plant equipment, customers, employees, salaries and wages and financial statistics .....	.75
57-203	Electricity Bills for Domestic, Commercial and Small Power Service. Approx. 15 pp. Includes an annual index of electricity bills for domestic service and bills for light and power in cities and representative municipalities .....	.50
57-204	Electric Power Survey of Capability and Load. Approx. 45 pp. Current and projected data of capability and load of major producers of electric energy in Canada.....	.75
Monthly		
57-001	Electric Power Statistics. Approx. 4 pp. Production by utilities and industrial establishments, imports and exports, power made available for use in Canada, amount used in electric boilers, by provinces..... per copy, 10¢; per year	1.00
Occasional		
57-502	Inventory of Prime Mover and Electric Generating Equipment. Approx. 120 pp. A list of generating plants in Canada by ownership, showing the location, year of installation, name-plate rating and other details of each unit, as at December 31, 1961	1.50

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SYMBOLS

The interpretation of the symbols used in the text and tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- ^r revised figures.

INTRODUCTION

Statistics presented in this report fall into two main categories: statistics based on the combined reports of electric utilities and industrial establishments, and statistics based on data received from utilities only. Utilities are defined as companies, commissions, municipalities or individuals whose primary function is to sell most of the electric energy which they have either generated or purchased. They are referred to as the electric utility industry. Industrial establishments are defined, for the purpose of this report, as companies or individuals which generate electricity mainly for their own use. Statistics based on the combined reports of both utilities and industrial establishments include generating capacity, production and disposal of electric energy, revenue received from the sale of electricity, and customers. Statistics applicable only to the electric utility industry include pole line, circuit mileage, transformers, fuel consumption, employees, wages and salaries and other financial data.

The current series of electric power statistics dates back only to 1956. Earlier reports entitled "Central Electric Stations" were concerned solely with the electric utility industry and hence excluded statistics relating to power produced by industrial establishments for own use. Data relating to power sold by industrial establishments was, however, included.

In the revised series, all firms are classed as either utilities or industrial establishments and separate statistics are compiled for each group. Energy disposed of by industrial establishments is then combined with that disposed of by utilities in order to present statistics roughly comparable with those compiled for the electric utility industry in earlier years. One major difference is that many blocks of energy formerly classed as sales are now treated as produced for own use, since the transfer of energy was found to be between plants within the same organization.

In 1956, because of the difficulty of separating line losses of industrial producers into losses relating to sales and losses relating to energy produced for own use, total industrial losses were presented under "Disposal of Energy" in Table 4. Commencing with 1957, losses associated with energy generated for own use are shown as a separate item under "Energy Made Available", Table 3.

Total installed generating capacity in Canada at the end of 1961 amounted to 24,091,368 kilowatts, 4.5 per cent more than the revised total of 23,048,677[†] kilowatts in 1960. Utilities accounted for 19,492,142 kilowatts compared with 18,432,424[†] kilowatts in 1960, while industry had a capacity of 4,599,226 kilowatts and 4,616,253 kilowatts in 1961 and 1960 respectively. Hydraulic installations accounted for

78.9 per cent of the total and thermal plants, 21.1 per cent, as compared to 80.9 and 19.1 respectively, in 1960. New thermal installations in 1961 exceeded new hydraulic installations for the first time in history.

Quebec had the largest generating capacity at 9,138,934 kilowatts or 37.9 per cent of the national total, followed by Ontario with 32 per cent and British Columbia with 13 per cent. The largest increase in generating capacity was in Ontario, where the increase amounted to 638,486 kilowatts. Quebec increased its capacity by 218,587 kilowatts, Manitoba by 45,342, New Brunswick by 39,963, British Columbia by 36,894 and Saskatchewan by 23,996 kilowatts. The report "Inventory of Prime Mover and Electric Generating Equipment as at December 31, 1961" Catalogue No. 57-502 gives additional details on generating stations.

The largest thermal generating capacities were in Ontario with 40 per cent, Saskatchewan and Alberta with 13 per cent each, British Columbia with 9 per cent and Nova Scotia with 7 per cent.

In Ontario, one unit of 200,000 kilowatts and one unit of 300,000 kilowatts were added to the Richard L. Hearn and Lakeview thermal plants respectively. A 47,500 kilowatt unit was installed in the Courtenay Bay plant in New Brunswick.

The largest increase in hydraulic capacity was in Quebec where the third stage of the Beauharnois development was completed with the addition of two 55,250 kilowatt units in 1961. Two 43,700 kilowatt units were installed in the Otter Rapids plant in Ontario.

Net generation (total generation less energy used in generating station service) decreased 0.6 per cent in 1961 to 113,713,318 thousand kilowatt-hours from 114,457,194[†] thousand kilowatt-hours one year earlier. Generation by electric utilities increased 0.3 per cent to 89,388,635 thousand kilowatt-hours from 89,156,401[†] thousand but accounted for 78.6 per cent of total production compared with 77.9 per cent in 1960. Generation by industry went down to 24,324,683 thousand kilowatt-hours from 25,300,793 thousand a year earlier. This decline reflects the mild recession experienced in 1961 and the three month shut-down of the Kitimat plant in British Columbia. Consumption in electric boilers decreased 18.4 per cent from 7,357,708 thousand kilowatt-hours in 1960 to 6,002,738 thousand kilowatt-hours in 1961. The industry's share of net generation decreased to 21.4 per cent in 1961 from 22.1 per cent in 1960. Generation from hydraulic facilities amounted to 91.4 per cent while thermal was 8.6 per cent. Although Quebec had 37.9 per cent of the total generating capacity in Canada, it accounted for 44 per cent of the total generation, followed by Ontario with 31 per cent and British Columbia with 12 per cent.

Electric Energy consumption increased 1.5 per cent, although total generation decreased 0.6 per cent. As a result, imports were increased to 1,394,014 thousand kilowatt-hours from 356,878 thousand and exports decreased 24.3 per cent to 4,157,531 thousand kilowatt-hours from 5,495,572^f thousand.

Of the total reported available for use in Canada in 1961, some 22,392,037,000 kilowatt-hours, including 678,274,000 estimated as losses, represented generation by industrial establishments for own use. This compares with 22,861,155,000 kilowatt-hours in 1960 and reflects a decrease of 469,118,000 kilowatt-hours or 2.1 per cent.

Total sales of electricity to ultimate customers increased 3.9 per cent in 1961 to 79,874,233 kilowatt-hours from the 1960 total of 76,862,953^f. Power customers purchased 48,500,464,000 kilowatt-hours or 60.7 per cent of the total (62.9^f per cent in 1960); domestic and farm customers, 21,979,672,000 or 27.7 per cent (26.5^f in 1960); and commercial customers, 8,667,284,000 or 10.8 per cent (9.8^f). Street lighting accounted for the remaining 726,813,000 kilowatt-hours of electricity sold. In addition, some 8,697,643,000 kilowatt-hours of energy available for disposal were reported lost and unaccounted for. This compares with 9,594,392,000^f kilowatt-hours in 1960.

A 3.5 per cent rise in ultimate customers brought the total to 5,375,445 from 5,188,252 in 1960. Domestic and farm customers increased 3.8 per cent to 4,716,819 from 4,542,780, while the number of commercial customers showed a moderate rise to 548,112 from 534,691^f. Power customers dropped 1.0 per cent in 1961 to 104,332 from 105,398^f.

Revenue received from sales to ultimate customers totalled \$858,878,000, up 6.5 per cent from the 1960 total of \$806,697,000^f. Domestic and farm customers produced revenues of \$346,807,000 versus \$326,543,000^f; commercial customers, \$166,666,000 versus \$147,318,000^f; power customers, \$327,461,000 versus \$316,650,000^f and street lighting customers, \$17,944,000 versus \$16,186,000^f. Revenue obtained from export sales amounted to \$9,552,000 compared with \$14,351,000 in 1960.

There was little change in the average domestic and farm service revenue per kilowatt-hour, which was 1.58 cents.

The average annual bill for domestic and farm customers rose 2.3 per cent in 1961 to \$73.53 from \$71.88^f in 1960. The increase was due to a rise in average consumption of 3.8 per cent to 4,660 kilowatt-hours from 4,490^f. Averages varied widely from province to province, the low of 1,934 kilowatt-hours being recorded in Prince Edward Island and the high of 6,535 kilowatt-hours being registered in Manitoba. While many utilities do not distinguish between farm and domestic customers in their records, those that have reported farm service separately show an

average rise of 7.1 per cent to 4,654 kilowatt-hours from 4,345 in consumption and an increase in the average annual bill to \$99.52 from \$96.52^f. The average cost of farm service dropped from 2.22 to 2.14 cents per kilowatt-hour.

Electric utilities reported an expenditure of \$24,673,199 on fuel for thermal electric plants in 1961, an increase of 13.8 per cent from the \$21,679,446^f reported one year earlier. The amount spent on oil increased 8.2 per cent to \$6,924,415 from \$6,397,083^f and on natural gas 22.4 per cent to \$6,323,906 from \$5,168,443^f. At the same time, expenditure for coal rose 12.9 per cent to \$11,424,878 from \$10,113,920^f.

Coal accounted for 41.6 per cent to total thermal generation in 1961 against 39.1^f per cent in 1960, while natural gas was responsible for 43.5 per cent compared with 45.3 per cent, one year earlier. Production based on petroleum fuels increased 11.2 per cent over the 1960 figure.

Wages and salaries paid by the electric utility industry amounted to \$198,416,000 in 1961, a rise of 4.3 per cent over the \$190,204,000^f reported in 1960. Publicly-operated utilities reported wages and salaries totalling \$146,828,000 in 1961, up 4.3 per cent from the \$140,758,000^f in 1960, while privately-operated utilities paid \$51,588,000 as against \$49,446,000^f. Employees, excluding construction workers, showed a decline in number to 39,389 from 41,034^f in 1960. A total of 28,884 were employed by publicly-operated utilities versus 30,534^f in 1960, and 10,505 by privately-operated utilities versus 10,500 one year earlier.

Total assets of the electric utility industry stood at \$7,599,953,000 at the end of 1961 compared with \$7,282,285,000^f one year earlier, a rise of \$317,668,000 or 4.4 per cent. Total electric utility fixed assets after depreciation amounted to \$6,456,858,000 as against \$6,180,891,000^f in 1960, an increase of \$275,967,000. This increase in fixed assets was financed by an increase of \$360,748,000 in long term debt.

Operating revenues of electric utilities were 5.8 per cent higher in 1961, rising to \$1,149,547,000 from the 1960 total of \$1,086,983,000^f. Operating expenses rose 7.4 per cent to \$744,649,000 from \$693,227,000^f and operating income increased 2.8 per cent to a new high of \$404,898,000. Net income in 1961, therefore, rose 15.6 per cent to \$118,210,000 from \$102,219,000^f.

Federal, provincial and municipal taxes paid by electric utilities in 1961 amounted to \$75,487,000, a decrease of 1.6 per cent from the \$76,676,000^f paid in 1960. Federal taxes decreased to \$39,943,000 from \$44,060,000^f in 1960, provincial taxes, however, increased to \$15,294,000 from \$13,999,000 and municipal taxes increased to \$20,250,000 in 1961 from \$18,617,000^f in 1960.

Utilities' expenditures on capital and repair projects for generating, transmission and distribution facilities (Table 15) showed an increase of 60 million dollars to 382 million in 1961 from 322 million in 1960 as compared to 365 million in 1959.

Table 16 gives an historical summary of supply and demand for the years 1949-60. The 1960 publication contained an all-Canada supply and demand tabulation. This year the tabulation has been revised and expanded to include supply and demand figures for each province.

The industrial consumption of electric energy is based, in part, on data collected by the Industry and Merchandising Division of the Dominion Bureau of Statistics. Since Industry and Merchandising reports are concerned primarily with consumers rather than producers of electric energy and are completed on the basis of different concepts and for different reporting periods, considerable difficulty is encountered in reconciling the two sets of data. For example, energy transferred between two establishments within the same organization may be reported under purchases in Industry and Merchandising reports but as produced for own use in the Electric Power Statistics reports.

In order to bring the different concepts to a common basis, the "generated for own use" and "purchased" figures are adjusted from the figures published by the Industry and Merchandising Division and are in conformity with the figures used in Electric Power Statistics.

Consumption of electric energy in each province by the various manufacturing groups is of a confidential nature. As a result, only the total manufacturing consumption has been shown in the provincial tabulations in Table 16.

In the eleven years, 1949-60, total generation has increased at an annual compound rate of 7.6 per cent. The largest increase is 13.8 per cent in Alberta followed by British Columbia, Nova Scotia and Prince Edward Island with increases of 12.0 per cent.

Net hydro generation increased at an annual compound rate of 7.0 per cent between 1949 and 1960 while net thermal generation was increasing at a 10.4 per cent rate. The latter increase was due mainly to the large thermal installations in Ontario.

Increased residential and farm usage of electric energy resulted in a 12.3 per cent compound growth rate. Of the individual manufacturing industries, mining and smelting showed the largest growth rate (7.2 per cent) compared with a total industrial consumption increase of 6.5 per cent.

Commercial and other consumption rose from 5,426,113 thousand kilowatt-hours, in 1949 to 12,385,046 thousand kilowatt-hours in 1960, an increase of 7.8 per cent. Included in the commercial category "consumption at power rates" are such establishments as large stores, hotels, street railways, radio stations etc.

TABLE 1. Installed Generating Capacity at End of Year, 1961

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		nameplate rating in kilowatts			
	Electric utilities and industrial establishments:				
	Hydro:				
1	Water-wheels and turbines	19,018,807	259,210	155	142,930
	Thermal:				
2	Steam engines and turbines	4,310,475	45,000	32,500	367,028
3	Internal combustion engines	378,509	18,027	4,741	10,290
4	Gas turbines	383,577	—	—	—
5	Total thermal	5,072,561	63,027	37,241	377,318
6	Total installed generating capacity	24,091,368	322,237	37,396	520,248
7	Per cent of total for Canada	100.00	1.34	0.16	2.16
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	15,180,154	194,330	155	137,580
	Thermal:				
9	Steam engines and turbines	3,627,925	35,000	32,500	326,250
10	Internal combustion engines	308,923	13,577	4,741	9,890
11	Gas turbines	375,140	—	—	—
12	Total thermal	4,311,988	48,577	37,241	336,140
13	Total installed generating capacity	19,492,142	242,907	37,396	473,720
14	Per cent of total for Canada	100.00	1.25	0.19	2.43
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	9,976,758	—	—	97,768
	Thermal:				
16	Steam engines and turbines	3,096,175	—	—	60,000
17	Internal combustion engines	243,490	7,890	4,641	7,970
18	Gas turbines	248,640	—	—	—
19	Total thermal	3,588,305	7,890	4,641	67,970
20	Total installed generating capacity	13,565,063	7,890	4,641	165,738
21	Per cent of total for Canada	100.00	0.06	0.03	1.22
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	5,203,396	194,330	155	39,812
	Thermal:				
23	Steam engines and turbines	531,750	35,000	32,500	266,250
24	Internal combustion engines	65,433	5,687	100	1,920
25	Gas turbines	126,500	—	—	—
26	Total thermal	723,683	40,687	32,600	268,170
27	Total installed generating capacity	5,927,079	235,017	32,755	307,982
28	Per cent of total for Canada	100.00	3.96	0.55	5.20
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	3,838,653	64,880	—	5,350
	Thermal:				
30	Steam engines and turbines	682,550	10,000	—	40,778
31	Internal combustion engines	69,586	4,450	—	400
32	Gas turbines	8,437	—	—	—
33	Total thermal	760,573	14,450	—	41,178
34	Total installed generating capacity	4,599,226	79,330	—	46,528
35	Per cent of total for Canada	100.00	1.73	—	1.01

TABLE 1. Installed Generating Capacity at End of Year, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
nameplate rating in kilowatts								
188,695	8,968,029	5,716,090	746,750	119,040	290,790	2,541,718	45,400	1
244,199	72,728	2,002,720	321,600	579,450	499,550	145,100	600	2
8,806	62,177	41,951	19,609	43,397	32,052	118,153	19,306	3
—	36,000	—	—	43,400	109,137	195,040	—	4
253,005	170,905	2,044,671	341,209	666,247	640,739	458,293	19,906	5
441,700	9,138,934	7,760,761	1,087,959	785,287	931,529	3,000,011	65,306	6
1.83	37.93	32.21	4.52	3.26	3.87	12.45	0.27	7
175,575	6,650,419	5,471,930	736,400	106,740	290,790	1,384,245	31,990	8
139,750	—	1,764,000	314,000	571,450	444,375	—	600	9
8,806	49,777	32,836	12,622	32,235	26,317	104,376	13,746	10
—	36,000	—	—	43,400	100,700	195,040	—	11
148,556	85,777	1,796,836	326,622	647,085	571,392	299,416	14,346	12
324,131	6,736,196	7,268,766	1,063,022	753,825	862,182	1,683,661	46,336	13
1.66	34.56	37.29	5.45	3.87	4.42	8.64	0.24	14
165,535	3,473,190	5,156,006	736,400	—	—	317,519	30,340	15
139,750	—	1,764,000	314,000	571,450	246,375	—	600	16
7,806	36,540	27,261	12,622	31,585	2,206	95,068	4,901	17
—	36,000	—	—	43,400	82,200	87,040	—	18
147,556	72,540	1,791,261	326,622	646,435	330,781	182,108	10,501	19
313,091	3,545,730	6,947,267	1,063,022	646,435	330,781	499,627	40,841	20
2.31	26.14	51.21	7.84	4.77	2.44	3.68	0.30	21
10,040	3,177,229	315,924	—	106,740	290,790	1,066,726	1,650	22
—	—	—	—	—	198,000	—	—	23
1,000	13,237	5,575	—	650	24,111	9,308	3,845	24
—	—	—	—	—	18,500	108,000	—	25
1,000	13,237	5,575	—	650	240,611	117,308	3,845	26
11,040	3,190,466	321,499	—	107,390	531,401	1,184,034	5,495	27
0.19	53.83	5.42	—	1.81	8.97	19.98	0.09	28
13,120	2,317,610	244,160	10,350	12,300	—	1,157,473	13,410	29
104,449	72,728	238,720	7,600	8,000	55,175	145,100	—	30
—	12,400	9,115	6,987	11,162	5,735	13,777	5,560	31
—	—	—	—	—	8,437	—	—	32
104,449	85,128	247,835	14,587	19,162	69,347	158,877	5,560	33
117,569	2,402,738	491,995	24,937	31,462	69,347	1,316,350	18,970	34
2.56	52.24	10.70	0.54	0.68	1.51	28.62	0.41	35

TABLE 2. Generation of Energy, 1961

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
1	Hydro:				
	Water-wheels and turbines	103,919,241	1,320,552	407	544,010
	Thermal:				
2	Steam engines and turbines	8,996,767	126,367	80,873	1,317,052
3	Internal combustion engines	532,908	10,641	7,277	71
4	Gas turbines	284,402	—	—	—
5	Total thermal	9,794,077	137,008	88,150	1,317,123
6	Total energy generated	113,713,318	1,457,560	88,557	1,861,133
7	Per cent of total for Canada	100.00	1.28	0.08	1.64
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	82,325,864	935,851	407	512,225
	Thermal:				
9	Steam engines and turbines	6,392,626	76,871	80,873	1,183,527
10	Internal combustion engines	446,443	9,880	7,277	71
11	Gas turbines	223,702	—	—	—
12	Total thermal	7,062,771	86,751	88,150	1,183,598
13	Total energy generated	89,388,635	1,022,602	88,557	1,695,823
14	Per cent of total for Canada	100.00	1.14	0.10	1.90
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	55,170,410	—	—	337,442
	Thermal:				
16	Steam engines and turbines	4,048,735	—	—	251,674
17	Internal combustion engines	359,631	175	7,269	21
18	Gas turbines	161,101	—	—	—
19	Total thermal	4,569,467	175	7,269	251,695
20	Total energy generated	59,739,877	175	7,269	589,137
21	Per cent of total for Canada	100.00	—	0.01	0.99
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	27,155,454	435,851	407	174,783
	Thermal:				
23	Steam engines and turbines	2,343,891	76,871	80,873	931,853
24	Internal combustion engines	86,812	9,705	8	50
25	Gas turbines	62,601	—	—	—
26	Total thermal	2,493,304	86,576	80,881	931,903
27	Total energy generated	29,648,758	1,022,427	81,288	1,106,686
28	Per cent of total for Canada	100.00	3.43	0.28	3.73
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	21,593,377	384,701	—	31,785
	Thermal:				
30	Steam engines and turbines	2,604,141	49,496	—	133,525
31	Internal combustion engines	86,465	761	—	—
32	Gas turbines	40,700	—	—	—
33	Total thermal	2,731,306	50,257	—	133,525
34	Total energy generated	24,324,683	434,958	—	165,310
35	Per cent of total for Canada	100.00	1.79	—	0.68

¹ Kilowatt-hours generated after deducting station service.

TABLE 2. Generation of Energy, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
thousands of kilowatt-hours ¹								
1,020,737	49,547,805	33,737,126	3,589,242	659,971	1,017,731	12,299,630	182,030	1
873,613	281,606	1,184,441	244,845	1,715,773	2,536,174	628,562	7,461	2
17,787	16,132	32,023	12,522	80,231	54,680	272,931	28,613	3
—	10,052	—	—	89,129	161,891	3,330	—	4
891,400	307,790	1,216,464	257,367	1,885,133	2,752,745	904,823	36,074	5
1,912,137	49,855,595	34,953,590	3,846,609	2,545,104	3,770,476	13,204,453	218,104	6
1.68	43.84	30.74	3.38	2.24	3.32	11.61	0.19	7
959,464	36,045,975	32,261,822	3,536,544	620,052	1,017,731	6,302,285	133,508	8
362,001	—	513,536	238,839	1,651,843	2,276,977	6,436	1,723	9
17,787	14,338	19,306	10,775	60,746	35,343	246,377	24,543	10
—	10,052	—	—	89,129	121,191	3,330	—	11
379,788	24,390	532,842	249,614	1,801,718	2,433,511	256,143	26,266	12
1,339,252	36,070,365	32,794,664	3,786,158	2,421,770	3,451,242	6,558,428	159,774	13
1.50	40.35	36.69	4.23	2.71	3.86	7.34	0.18	14
895,667	17,882,382	30,802,004	3,536,544	—	—	1,590,076	126,295	15
362,001	—	513,536	238,839	1,651,843	1,029,119	—	1,723	16
17,787	4,016	5,240	10,775	60,559	—	235,108	18,681	17
—	10,052	—	—	89,129	61,920	—	—	18
379,788	14,068	518,776	249,614	1,801,531	1,091,039	235,108	20,404	19
1,275,455	17,896,450	31,320,780	3,786,158	1,801,531	1,091,039	1,825,184	146,699	20
2.13	29.96	52.43	6.34	3.02	1.83	3.05	0.24	21
63,797	18,163,593	1,459,818	—	620,052	1,017,731	4,712,209	7,213	22
—	—	—	—	—	1,247,858	6,436	—	23
—	10,322	14,066	—	187	35,343	11,269	5,862	24
—	—	—	—	—	59,271	3,330	—	25
—	10,322	14,066	—	187	1,342,472	21,035	5,862	26
63,797	18,173,915	1,473,884	—	620,239	2,360,203	4,733,244	13,075	27
0.22	61.30	4.97	—	2.09	7.96	15.97	0.05	28
61,273	13,501,830	1,475,304	52,698	39,919	—	5,997,345	48,522	29
511,612	281,606	670,905	6,006	63,930	259,197	622,126	5,738	30
—	1,794	12,717	1,747	19,485	19,337	26,544	4,070	31
—	—	—	—	—	40,700	—	—	32
511,612	283,400	683,622	7,753	83,415	319,234	648,680	9,808	33
572,885	13,785,230	2,158,926	60,451	123,334	319,234	6,646,025	58,330	34
2.35	56.67	8.88	0.25	0.51	1.31	27.32	0.24	35

TABLE 3. Energy Made Available, 1961

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:	thousands of kilowatt-hours ¹			
1	Total generated (Table 2)¹	113, 713, 318	1, 457, 560	88, 557	1, 861, 133
2	Per cent of total for Canada	100.00	1.28	0.08	1.64
	Energy imported:				
3	From other provinces	—	—	—	15, 214
4	From United States	1, 394, 014	—	—	—
5	Total imported	1, 394, 014	—	—	15, 214
	Energy exported:				
6	To other provinces	—	75, 224	—	99, 655
7	To United States	4, 157, 531	—	—	—
8	Total exported	4, 157, 531	75, 224	—	99, 655
9	Total made available in Canada	110, 949, 801	1, 382, 336	88, 557	1, 776, 692
10	Per cent of total for Canada	100.00	1.24	0.08	1.60
	Generated for use in own plant:				
11	Excluding consumption in electric boilers	19, 960, 641	350, 403	—	135, 947
12	Consumption in electric boilers	1, 753, 122	1, 555	—	—
13	Losses	678, 274	5, 500	—	—
14	Total generated for own use	22, 392, 037	357, 458	—	135, 947
15	Total available for disposal in Canada	88, 557, 764	1, 024, 878	88, 557	1, 640, 745
16	Per cent of total for Canada	100.00	1.16	0.10	1.85

¹ Kilowatt-hours after deducting station service.

TABLE 4. Disposal of Energy, 1961

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:	thousands of kilowatt-hours			
	To ultimate customers in Canada:				
1	Domestic and farm ¹	21, 979, 672	179, 761	42, 314	512, 244
2	Commercial	8, 667, 284	57, 960	24, 746	156, 025
3	Power—Excluding deliveries to electric boilers	44, 250, 848	688, 093	7, 529	737, 385
4	Deliveries to electric boilers	4, 249, 616	4, 085	—	—
5	Street lighting	726, 813	5, 351	1, 037	17, 256
6	Total sold to ultimate customers	79, 874, 233	935, 250	75, 626	1, 422, 910
7	Losses and unaccounted for	8, 697, 643	89, 628	12, 931	217, 835
8	Total disposed of in Canada	88, 571, 876	1, 024, 878	88, 557	1, 640, 745
9	Per cent of total for Canada	100.00	1.16	0.10	1.85
	Exported:				
10	To other provinces—Primary .....	...	75, 224	—	99, 655
11	Secondary .....	...	—	—	—
12	To United States—Primary	1, 192, 343	—	—	—
13	Secondary	2, 964, 924	—	—	—
14	Total exported	4, 157, 267	75, 224	—	99, 655
	Electric utilities:				
	Publicly and privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	21, 923, 353	179, 012	42, 314	512, 244
16	Commercial	8, 635, 465	57, 531	24, 746	156, 025
17	Power—Excluding deliveries to electric boilers	44, 069, 677	687, 614	7, 529	733, 071
18	Deliveries to electric boilers	4, 248, 976	4, 085	—	—
19	Street lighting	723, 952	5, 336	1, 037	17, 256
20	Total sold to ultimate customers	79, 601, 423	933, 578	75, 626	1, 418, 596
21	Losses and unaccounted for	8, 664, 468	89, 628	12, 931	217, 835
22	Total disposed of in Canada	88, 265, 891	1, 023, 206	88, 557	1, 636, 431
23	Per cent of total for Canada	100.00	1.16	0.10	1.85
	Exported:				
24	To other provinces—Primary .....	...	—	—	99, 655
25	Secondary .....	...	—	—	—
26	To United States—Primary	1, 077, 105	—	—	—
27	Secondary	2, 964, 924	—	—	—
28	Total exported	4, 042, 029	—	—	99, 655

See footnote at end of table.

TABLE 3. Energy Made Available, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
1,912,137	49,855,595	34,953,590	3,846,609	2,545,104	3,770,476	13,204,453	218,104	1
1.68	43.84	30.74	3.38	2.24	3.32	11.61	0.19	2
118,932	184,699	6,001,888	1,060,917	4,163	23,570	—	—	3
13,512	85	1,362,298	—	429	684	17,006	—	4
132,444	184,784	7,364,186	1,060,917	4,592	24,254	17,006	—	5
15,214	5,866,209	514,730	159,119	655,662	—	23,570	—	6
204,863	406,814	3,526,310	38	—	—	19,506	—	7
220,077	6,273,023	4,041,040	159,157	655,662	—	43,076	—	8
1,824,504	43,767,356	38,276,736	4,748,369	1,894,034	3,794,730	13,178,383	218,104	9
1.64	39.45	34.50	4.28	1.71	3.42	11.88	0.20	10
460,421	10,810,526	1,711,757	86,471	88,211	316,917	5,961,219	38,769	11
919	1,294,836	203,307	600	—	—	241,719	10,186	12
4,700	394,153	57,421	1,220	1,890	33	211,357	2,000	13
466,040	12,499,515	1,972,485	88,291	90,101	316,950	6,414,295	50,955	14
1,358,464	31,267,841	36,304,251	4,660,078	1,803,933	3,477,780	6,764,088	167,149	15
1.53	35.31	40.99	5.26	2.04	3.93	7.64	0.19	16

TABLE 4. Disposal of Energy, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
362,040	5,500,250	9,887,316	1,611,758	697,207	971,567	2,199,441	15,774	1
122,416	2,009,603	3,765,600	566,209	252,081	523,249	1,179,301	10,094	2
748,847	17,711,796	17,666,853	1,912,884	541,337	1,484,872	2,661,586	89,666	3
—	3,733,361	420,148	56,626	—	—	—	35,396	4
18,586	166,992	301,341	49,323	22,187	63,170	81,348	222	5
1,251,889	29,122,002	32,041,258	4,196,800	1,512,812	3,042,858	6,121,676	151,152	6
106,575	2,145,839	4,262,993	463,278	291,121	434,922	656,524	15,997	7
1,358,464	31,267,841	36,304,251	4,660,078	1,803,933	3,477,780	6,778,200	167,149	8
1.53	35.31	40.99	5.26	2.04	3.93	7.64	0.19	9
15,214	4,016,559	19,997	159,119	655,662	—	23,306	—	10
—	1,849,650	494,733	—	—	—	264	—	11
182,642	345,322	645,099	38	—	—	19,242	—	12
22,221	61,492	2,881,211	—	—	—	—	—	13
220,077	6,273,023	4,041,040	159,157	655,662	—	42,812	—	14
362,040	5,487,301	9,873,841	1,608,112	696,682	971,073	2,175,191	15,543	15
112,648	2,005,073	3,762,066	564,733	251,590	521,357	1,169,602	10,094	16
748,847	17,696,109	17,611,948	1,912,819	541,337	1,484,872	2,562,392	83,139	17
—	3,732,721	420,148	56,626	—	—	—	35,396	18
18,586	166,274	300,663	49,244	22,187	63,159	79,988	222	19
1,242,121	29,087,478	31,968,666	4,191,534	1,511,796	3,040,461	5,987,173	144,394	20
106,575	2,142,386	4,259,153	463,119	291,121	434,922	631,928	14,870	21
1,348,696	31,229,864	36,227,819	4,654,653	1,802,917	3,475,383	6,619,101	159,264	22
1.53	35.39	41.05	5.27	2.04	3.94	7.49	0.18	23
15,214	4,016,559	19,997	159,119	624,929	—	23,306	—	24
—	1,849,650	494,733	—	—	—	264	—	25
106,142	345,322	606,361	38	—	—	19,242	—	26
22,221	61,492	2,881,211	—	—	—	—	—	27
143,577	6,273,023	4,002,302	159,157	624,929	—	42,812	—	28

TABLE 4. Disposal of Energy, 1961 — Concluded

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities—Concluded:				
	Publicly-operated:				
	To ultimate customers in Canada:				
1	Domestic and farm ¹	16,027,906	129	4,260	155,843
2	Commercial	6,424,819	—	5,420	59,961
3	Power—Excluding deliveries to electric boilers ..	26,643,715	—	—	277,785
4	Deliveries to electric boilers	652,152	—	—	—
5	Street lighting	549,227	—	427	5,633
6	Total sold to ultimate customers	50,297,819	129	10,107	499,222
7	Losses and unaccounted for	6,379,206	28	974	85,082
8	Total disposed of in Canada	56,677,025	157	11,081	584,304
9	Per cent of total for Canada	100.00	0.00	0.02	1.03
	Exported:				
10	To other provinces—Primary .....	...	—	—	40,314
11	Secondary .....	...	—	—	—
12	To United States—Primary	691,963	—	—	—
13	Secondary	2,789,382	—	—	—
14	Total exported	3,481,345	—	—	40,314
	Privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	5,895,447	178,883	38,054	356,401
16	Commercial	2,210,646	57,531	19,326	96,064
17	Power—Excluding deliveries to electric boilers ..	17,425,962	687,614	7,529	455,286
18	Deliveries to electric boilers	3,596,824	4,085	—	—
19	Street lighting	174,725	5,336	610	11,623
20	Total sold to ultimate customers	29,303,604	933,449	65,519	919,374
21	Losses and unaccounted for	2,285,262	89,600	11,957	132,753
22	Total disposed of in Canada	31,588,866	1,023,049	77,476	1,052,127
23	Per cent of total for Canada	100.00	3.24	0.25	3.33
	Exported:				
24	To other provinces—Primary .....	...	—	—	59,341
25	Secondary .....	...	—	—	—
26	To United States—Primary	385,142	—	—	—
27	Secondary	175,542	—	—	—
28	Total exported	560,684	—	—	59,341
	Industrial establishments:				
	To ultimate customers in Canada:				
29	Domestic and farm ¹	56,319	749	—	—
30	Commercial	31,819	429	—	—
31	Power—Excluding deliveries to electric boilers	181,171	479	—	4,314
32	Deliveries to electric boilers	640	—	—	—
33	Street lighting	2,861	15	—	—
34	Total sold to ultimate customers	272,810	1,672	—	4,314
35	Losses and unaccounted for	33,175	—	—	—
36	Total disposed of in Canada	305,985	1,672	—	4,314
37	Per cent of total for Canada	100.00	0.55	—	1.41
	Exported:				
38	To other provinces—Primary .....	...	75,224	—	—
39	Secondary .....	...	—	—	—
40	To United States—Primary	115,238	—	—	—
41	Secondary	—	—	—	—
42	Total exported	115,238	75,224	—	—

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 4. Disposal of Energy, 1961 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
326,321	2,569,767	9,677,332	1,583,554	692,049	507,662	507,417	3,572	1
89,273	1,135,092	3,677,794	558,018	250,008	385,412	259,981	3,860	2
734,500	5,174,181	16,590,231	1,375,389	541,125	623,262	1,252,704	74,538	3
—	139,982	420,148	56,626	—	—	—	35,396	4
16,867	91,991	294,233	47,549	21,877	48,459	22,161	30	5
1,166,961	9,111,013	30,659,738	3,621,136	1,505,059	1,564,795	2,042,263	117,396	6
99,561	1,126,560	4,128,416	424,051	281,221	105,003	117,127	11,183	7
1,266,522	10,237,573	34,788,154	4,045,187	1,786,280	1,669,798	2,159,390	128,579	8
2.23	18.06	61.38	7.14	3.15	2.95	3.81	0.23	9
15,214	1,373,742	19,997	154,956	14,644	—	—	—	10
—	1,807,909	494,733	—	—	—	264	—	11
61,812	340,038	290,075	38	—	—	—	—	12
4	—	2,789,378	—	—	—	—	—	13
77,030	3,521,689	3,594,183	154,994	14,644	—	264	—	14
35,719	2,917,534	196,509	24,558	4,633	463,411	1,667,774	11,971	15
23,375	869,981	84,272	6,715	1,582	135,940	909,621	6,234	16
14,347	12,521,928	1,021,717	537,430	212	861,610	1,309,688	8,601	17
—	3,592,739	—	—	—	—	—	—	18
1,719	74,283	6,430	1,695	310	14,700	57,827	192	19
75,160	19,976,465	1,308,928	570,398	6,737	1,475,666	3,944,910	26,998	20
7,014	1,015,826	130,737	39,068	9,900	329,919	514,801	3,687	21
82,174	20,992,291	1,439,665	609,466	16,637	1,805,585	4,459,711	30,685	22
0.26	66.48	4.56	1.93	0.05	5.72	14.08	0.10	23
—	2,642,817	—	4,163	610,285	—	23,306	—	24
—	41,741	—	—	—	—	—	—	25
44,330	5,284	316,286	—	—	—	19,242	—	26
22,217	61,492	91,833	—	—	—	—	—	27
66,547	2,751,334	408,119	4,163	610,285	—	42,548	—	28
—	12,949	13,475	3,646	525	494	24,250	231	29
9,768	4,530	3,534	1,476	491	1,892	9,699	—	30
—	15,687	54,905	65	—	—	99,194	6,527	31
—	640	—	—	—	—	—	—	32
—	718	678	79	—	11	1,360	—	33
9,768	34,524	72,592	5,266	1,016	2,397	134,503	6,758	34
—	3,453	3,840	159	—	—	24,596	1,127	35
9,768	37,977	76,432	5,425	1,016	2,397	159,099	7,885	36
3.19	12.41	24.98	1.77	0.33	0.78	52.00	2.58	37
—	—	—	—	30,733	—	—	—	38
—	—	—	—	—	—	—	—	39
76,500	—	38,738	—	—	—	—	—	40
—	—	—	—	—	—	—	—	41
76,500	—	38,738	—	30,733	—	—	—	42

TABLE 5. Customers at End of Year, 1961

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
Electric utilities and industrial establishments:					
Ultimate customers in Canada:					
1	Domestic and farm ¹	4,716,819	63,195	21,883	174,775
2	Commercial	548,111	6,754	1,645	20,899
3	Power	104,333	775	8	8,573
4	Street lighting	6,182	26	5	364
5	Total ultimate customers	5,375,445	70,750	23,541	204,611
6	Per cent of total for Canada	100.00	1.32	0.44	3.81
Electric utilities:					
Publicly and privately-operated:					
Ultimate customers in Canada:					
7	Domestic and farm ¹	4,707,887	62,755	21,883	174,775
8	Commercial	547,398	6,739	1,645	20,899
9	Power	104,299	772	8	8,571
10	Street lighting	6,158	25	5	364
11	Total ultimate customers	5,365,742	70,291	23,541	204,609
12	Per cent of total for Canada	100.00	1.31	0.44	3.81
Publicly-operated:					
Ultimate customers in Canada:					
13	Domestic and farm ¹	3,325,923	212	2,330	71,782
14	Commercial	371,664	—	490	9,101
15	Power	69,489	—	—	1,368
16	Street lighting	3,615	—	2	296
17	Total ultimate customers	3,770,691	212	2,822	82,547
18	Per cent of total for Canada	100.00	0.01	0.07	2.19
Privately-operated:					
Ultimate customers in Canada:					
19	Domestic and farm ¹	1,381,964	62,543	19,553	102,993
20	Commercial	175,734	6,739	1,155	11,798
21	Power	34,810	772	8	7,203
22	Street lighting	2,543	25	3	68
23	Total ultimate customers	1,595,051	70,079	20,719	122,062
24	Per cent of total for Canada	100.00	4.39	1.30	7.65
Industrial establishments:					
Ultimate customers in Canada:					
25	Domestic and farm ¹	8,932	440	—	—
26	Commercial	713	15	—	—
27	Power	34	3	—	2
28	Street lighting	24	1	—	—
29	Total ultimate customers	9,703	459	—	2
30	Per cent of total for Canada	100.00	4.73	—	0.02

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 5. Customers at End of Year, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
145,246	1,279,564	1,816,679	246,642	224,045	301,317	439,087	4,386	1
7,723	152,677	168,114	40,837	30,833	47,998	69,552	1,079	2
2,464	21,388	26,613	12,217	9,303	18,035	4,753	204	3
777	1,820	792	538	910	591	342	17	4
156,210	1,455,449	2,012,198	300,234	265,091	367,941	513,734	5,686	5
2.91	27.08	37.43	5.58	4.93	6.84	9.56	0.10	6
145,246	1,277,175	1,814,759	246,211	223,964	301,064	435,749	4,306	7
7,721	152,457	167,997	40,794	30,829	47,985	69,253	1,079	8
2,464	21,385	26,605	12,216	9,303	18,035	4,737	203	9
777	1,812	787	537	910	590	334	17	10
156,208	1,452,829	2,010,148	299,758	265,006	367,674	510,073	5,605	11
2.91	27.08	37.46	5.59	4.94	6.85	9.51	0.10	12
134,244	597,637	1,778,557	242,762	222,857	163,612	110,938	997	13
6,011	75,890	164,125	40,448	30,692	26,615	17,839	453	14
2,201	10,812	26,307	12,158	9,294	4,990	2,340	19	15
768	140	763	534	906	13	186	7	16
143,224	684,474	1,969,752	295,902	263,749	195,230	131,303	1,476	17
3.80	18.15	52.24	7.85	6.99	5.18	3.48	0.04	18
11,002	679,543	36,202	3,449	1,107	137,452	324,811	3,309	19
1,710	76,567	3,872	346	137	21,370	51,414	626	20
263	10,573	298	58	9	13,045	2,397	184	21
9	1,672	24	3	4	577	148	10	22
12,984	768,355	40,396	3,856	1,257	172,444	378,770	4,129	23
0.82	48.17	2.53	0.24	0.08	10.81	23.75	0.26	24
—	2,389	1,920	431	81	253	3,338	80	25
2	220	117	43	4	13	299	—	26
—	3	8	1	—	—	16	1	27
—	8	5	1	—	1	8	—	28
2	2,620	2,050	476	85	267	3,661	81	29
0.02	27.00	21.13	4.91	0.88	2.75	37.73	0.83	30

TABLE 6. Revenue from Sale of Electricity, 1961

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities and industrial establishments:				
	Revenue from ultimate customers in Canada:				
1	Domestic and farm ¹	346,807	4,232	1,811	13,276
2	Commercial	166,666	1,784	781	5,504
3	Power—Excluding deliveries to electric boilers	320,605	5,063	167	11,269
4	Deliveries to electric boilers	6,856	6	—	—
5	Street lighting	17,944	179	53	725
6	Total revenue from ultimate customers	858,878	11,264	2,812	30,774
7	Per cent of total for Canada	100.00	1.31	0.33	3.58
	Revenue from electricity exported:				
8	To other provinces—Primary .....	...	241	—	868
9	Secondary .....	...	—	—	—
10	To United States—Primary	5,769	—	—	—
11	Secondary	3,783	—	—	—
12	Total revenue from exports	9,552	241	—	868
13	Totals (Ultimate customers and exports)	868,430	11,505	2,812	31,642
	Electric utilities:				
	Publicly and privately-operated:				
	Revenue from ultimate customers in Canada:				
14	Domestic and farm ¹	345,974	4,214	1,811	13,276
15	Commercial	166,226	1,776	781	5,504
16	Power—Excluding deliveries to electric boilers ..	319,560	5,056	167	11,243
17	Deliveries to electric boilers	6,854	6	—	—
18	Street lighting	17,895	179	53	725
19	Total revenue from ultimate customers	856,509	11,231	2,812	30,748
20	Per cent of total for Canada	100.00	1.31	0.33	3.59
	Revenue from electricity exported:				
21	To other provinces—Primary .....	...	—	—	868
22	Secondary .....	...	—	—	—
23	To United States—Primary	4,778	—	—	—
24	Secondary	3,783	—	—	—
25	Total revenue from exports	8,561	—	—	868
26	Totals (Ultimate customers and exports)	865,070	11,231	2,812	31,616
	Publicly-operated:				
	Revenue from ultimate customers in Canada:				
27	Domestic and farm ¹	235,680	18	182	4,337
28	Commercial	111,475	—	205	1,901
29	Power—Excluding deliveries to electric boilers ..	206,639	—	—	2,749
30	Deliveries to electric boilers	1,166	—	—	—
31	Street lighting	12,591	—	22	206
32	Total revenue from ultimate customers	567,551	18	409	9,193
33	Per cent of total for Canada	100.00	0.00	0.07	1.62

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 6. Revenue From Sale of Electricity, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
11,330	78,716	130,382	18,458	20,454	21,127	46,216	205	1
3,276	38,403	54,543	8,694	7,820	15,374	29,789	698	2
8,044	101,043	128,437	12,670	9,965	19,308	22,350	2,289	3
—	6,039	601	68	—	—	—	142	4
654	3,845	7,238	982	907	1,661	1,678	22	5
23,304	228,046	321,201	40,872	39,146	57,470	100,033	3,956	6
2.71	26.55	37.40	4.76	4.56	6.69	11.65	0.46	7
38	11,668	191	264	1,581	—	161	—	8
—	2,611	823	—	—	—	5	—	9
1,706	629	3,406	1	—	—	27	—	10
236	252	3,295	—	—	—	—	—	11
1,980	15,160	7,715	265	1,581	—	193	—	12
25,284	243,206	328,916	41,137	40,727	57,470	100,226	3,956	13
11,330	78,491	130,212	18,417	20,448	21,108	45,881	786	14
3,203	38,306	54,486	8,688	7,814	15,337	29,633	698	15
8,044	100,979	128,163	12,670	9,965	19,308	21,690	2,275	16
—	6,037	601	68	—	—	—	142	17
654	3,833	7,234	982	907	1,660	1,646	22	18
23,231	227,646	320,696	40,825	39,134	57,413	98,850	3,923	19
2.71	26.58	37.44	4.77	4.57	6.70	11.54	0.46	20
38	11,668	191	264	1,581	—	161	—	21
—	2,611	823	—	—	—	5	—	22
979	629	3,142	1	—	—	27	—	23
236	252	3,295	—	—	—	—	—	24
1,253	15,160	7,451	265	1,581	—	193	—	25
24,484	242,806	328,147	41,090	40,715	57,413	99,043	3,923	26
10,400	33,282	127,558	18,075	20,323	9,800	11,437	268	27
2,530	21,025	53,149	8,554	7,746	9,156	6,927	282	28
7,700	34,655	121,781	11,425	9,955	6,838	9,705	1,831	29
—	355	601	68	—	—	—	142	30
597	1,375	7,080	968	902	948	488	5	31
21,227	90,692	310,169	39,090	38,926	26,742	28,557	2,528	32
3.74	15.98	54.65	6.89	6.86	4.71	5.03	0.45	33

TABLE 6. Revenue from Sale of Electricity, 1961 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Concluded:				
	Publicly-operated — Concluded:				
	Revenue from electricity exported:				
1	To other provinces — Primary .....	...	—	—	428
2	Secondary .....	...	—	—	—
3	To United States — Primary	2,643	—	—	—
4	Secondary	2,999	—	—	—
5	Total revenue from exports	5,642	—	—	428
6	Totals (Ultimate customers and exports)	573,193	18	409	9,621
	Privately-operated:				
	Revenue from ultimate customers in Canada:				
7	Domestic and farm ¹	110,294	4,196	1,629	8,939
8	Commercial	54,751	1,776	576	3,603
9	Power — Excluding deliveries to electric boilers ..	112,921	5,056	167	8,494
10	Deliveries to electric boilers	5,688	6	—	—
11	Street lighting	5,304	179	31	519
12	Total revenue from ultimate customers	288,958	11,213	2,403	21,555
13	Per cent of total for Canada	100.00	3.88	0.83	7.46
	Revenue from electricity exported:				
14	To other provinces — Primary .....	...	—	—	440
15	Secondary .....	...	—	—	—
16	To United States — Primary	2,135	—	—	—
17	Secondary	784	—	—	—
18	Total revenue from exports	2,919	—	—	440
19	Totals (Ultimate customers and exports)	291,877	11,213	2,403	21,995
	Industrial establishments:				
	Revenue from ultimate customers in Canada:				
20	Domestic and farm ¹	833	18	—	—
21	Commercial	440	8	—	—
22	Power — Excluding deliveries to electric boilers	1,045	7	—	26
23	Deliveries to electric boilers	2	—	—	—
24	Street lighting	49	—	—	—
25	Total revenue from ultimate customers	2,369	33	—	26
26	Per cent of total for Canada	100.00	1.39	—	1.10
	Revenue from electricity exported:				
27	To other provinces — Primary .....	...	241	—	—
28	Secondary .....	...	—	—	—
29	To United States — Primary	991	—	—	—
30	Secondary	—	—	—	—
31	Total revenue from exports	991	241	—	—
32	Totals (Ultimate customers and exports)	3,360	274	—	26

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 6. Revenue From Sale of Electricity, 1961 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
38	3,370	191	212	36	—	—	—	1
—	2,549	823	—	—	—	5	—	2
522	554	1,566	1	—	—	—	—	3
—	—	2,999	—	—	—	—	—	4
560	6,473	5,579	213	36	—	5	—	5
21,787	97,165	315,748	39,303	38,962	26,942	28,562	2,528	6
930	45,209	2,654	342	125	11,308	34,444	518	7
673	17,281	1,337	134	68	6,181	22,706	416	8
344	66,324	6,382	1,245	10	12,470	11,985	444	9
—	5,682	—	—	—	—	—	—	10
57	2,458	154	14	5	712	1,158	17	11
2,004	136,954	10,527	1,735	208	30,671	70,293	1,395	12
0.69	47.40	3.64	0.60	0.07	10.62	24.33	0.48	13
—	8,298	—	52	1,545	—	161	—	14
—	62	—	—	—	—	—	—	15
457	75	1,576	—	—	—	27	—	16
236	252	296	—	—	—	—	—	17
693	8,687	1,872	52	1,545	—	188	—	18
2,697	145,641	12,399	1,787	1,753	30,671	70,481	1,395	19
—	225	170	41	6	19	335	19	20
73	97	57	6	6	37	156	—	21
—	64	274	—	—	—	660	14	22
—	2	—	—	—	—	—	—	23
—	12	4	—	—	1	32	—	24
73	400	505	47	12	57	1,183	33	25
3.08	16.88	21.32	1.98	0.51	2.41	49.94	1.39	26
—	—	—	—	—	—	—	—	27
—	—	—	—	—	—	—	—	28
727	—	264	—	—	—	—	—	29
—	—	—	—	—	—	—	—	30
727	—	264	—	—	—	—	—	31
800	400	769	47	12	57	1,183	33	32

TABLE 7. Domestic and Farm Service, 1939-61

No.			Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:					
	Customers:					
1	1939	No.	1,623,672	..	5,067	62,034
2	1945	"	1,987,360	..	6,387	84,011
3	1950	"	2,797,378	30,311	10,298	124,860
4	1960	"	4,542,780	59,929	18,542	168,625
5	1961	"	4,716,819	63,195	21,883	174,775
	Kilowatt-hours sold:					
6	1939	'000 kwh.	2,310,891	..	2,908	39,084
7	1945	"	3,365,497	..	5,217	70,099
8	1950	"	6,750,303	40,051	10,526	147,522
9	1960	"	20,397,014 ^r	169,481	30,130	461,926
10	1961	"	21,979,672	179,761	42,314	512,244
	Revenue received:					
11	1939	\$'000	43,793	..	163	1,709
12	1945	"	55,736	..	239	2,286
13	1950	"	109,015	835	584	4,421
14	1960	"	326,543 ^r	3,901	1,352	12,727
15	1961	"	346,807	4,232	1,811	13,276
	Kilowatt-hours per customer:					
16	1939	kwh.	1,423	..	574	630
17	1945	"	1,693	..	817	834
18	1950	"	2,413	1,321	1,022	1,181
19	1960	"	4,490 ^r	2,828	1,625	2,739
20	1961	"	4,660	2,845	1,934	2,931
	Average annual bill:					
21	1939	\$	26.97	..	32.21	27.56
22	1945	\$	28.05	..	37.35	27.21
23	1950	\$	38.97	27.57	56.69	35.41
24	1960	\$	71.88 ^r	65.09	72.38	75.48
25	1961	\$	73.53	66.97	82.76	75.96
	Revenue per kilowatt-hour:					
26	1939	cents	1.90	..	5.61	4.37
27	1945	"	1.66	..	4.57	3.26
28	1950	"	1.61	2.09	5.55	3.00
29	1960	"	1.60	2.30	4.49	2.76
30	1961	"	1.58	2.35	4.28	2.59
	Farm service, 1961¹					
31	Customers	No.	497,994	4,716	13,914	29,426
32	Kilowatt-hours sold	'000 kwh.	2,317,672	6,444	25,090	39,202
33	Revenue received	\$'000	49,562	331	1,167	1,351
34	Kilowatt-hours per customer	No.	4,654	1,366	1,803	1,332
35	Average annual bill	\$	99.52	70.19	83.87	45.91
36	Revenue per kilowatt-hour	cents	2.14	5.14	4.65	3.45

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records. At the bottom of the page, however, farm figures are tabulated as reported.

TABLE 7. Domestic and Farm Service, 1939-61

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
46,485	434,825	719,871	81,091	49,980	68,267	156,052	..	1
62,175	558,865	839,968	94,673	61,285	87,005	192,991	..	2
95,540	778,878	1,104,317	144,122	94,734	134,132	278,417	1,769	3
141,283	1,225,796	1,755,369	235,732	215,732	290,140	428,418	3,707	4
145,246	1,279,564	1,816,679	246,642	224,045	301,317	439,087	4,386	5
26,989	311,420	1,374,325	320,827	41,198	42,210	151,930	..	6
45,958	507,274	1,963,043	416,499	58,402	63,962	235,043	..	7
97,752	1,199,887	3,662,862	689,335	128,221	164,205	607,427	2,515	8
328,107	5,000,588	9,318,141	1,454,613	651,391 ^r	867,319	2,102,048	13,270	9
362,040	5,500,250	9,887,316	1,611,758	697,207	971,567	2,199,441	15,774	10
1,308	9,167	19,658	3,312	2,004	2,145	4,327	..	11
1,883	11,926	23,699	4,238	2,566	2,932	5,967	..	12
3,747	23,821	44,724	7,939	4,871	5,385	12,525	163	13
10,601	72,571	124,933	16,722	19,400 ^r	19,280	44,365	691	14
11,330	78,716	130,382	18,458	20,454	21,127	46,216	805	15
581	716	1,909	3,956	824	618	974	..	16
739	908	2,337	4,399	953	735	1,218	..	17
1,023	1,541	3,317	4,783	1,353	1,224	2,182	1,422	18
2,322	4,079	5,308	6,184	3,019 ^r	2,989	4,907	3,580	19
2,493	4,299	5,443	6,535	3,112	3,224	5,009	3,596	20
28.13	21.08	27.31	40.84	40.10	31.42	27.73	..	21
30.29	21.34	28.21	44.76	41.87	33.70	30.92	..	22
39.22	30.58	40.50	55.08	51.42	40.15	44.99	92.23	23
75.03	59.20	71.17	71.09	89.93 ^r	66.45	103.56	186.40	24
78.01	61.52	71.77	74.84	91.29	70.12	105.25	183.54	25
4.85	2.94	1.43	1.03	4.87	5.08	2.85	..	26
4.10	2.35	1.21	1.02	4.39	4.59	2.54	..	27
3.83	1.99	1.22	1.15	3.80	3.28	2.06	6.49	28
3.23	1.45	1.34	1.16	2.98 ^r	2.22	2.11	4.67	29
3.13	1.43	1.32	1.15	2.93	2.17	2.10	5.10	30
20,950	110,016	141,475	39,326	62,260	52,316	23,595	..	31
48,974	377,851	917,378	235,767	220,237	230,380	216,349	..	32
1,649	7,621	17,370	4,140	7,666	4,998	3,269	..	33
2,338	3,435	6,484	5,995	3,537	4,404	9,169	..	34
78.71	69.27	122.78	105.27	123.13	95.53	138.55	..	35
3.37	2.02	1.89	1.76	3.48	2.17	1.51	..	36

TABLE 8. Pole Line Mileage at End of Year, 1961

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	Steel — Towers	11,900	66	—	89
2	Poles	202	47	—	1
3	Aluminum — Towers	—	—	—	—
4	Poles	23	—	—	—
5	Wood pole — Transmission	50,147	486	146	1,841
6	Distribution	261,780	2,685	1,918	9,351
7	Concrete pole	668	—	—	—
8	Cable (under ground and — Under 69 kv. submarine)	5,172	10	—	24
9	69 kv. and over	366	—	—	11
10	Other	55	—	—	—
11	Total pole line mileage	330,313	3,294	2,064	11,317
12	Per cent of total for Canada	100.00	1.00	0.62	3.43

TABLE 9. Circuit Mileage of Electric Line at End of Year, 1961

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicity and privately-operated:				
1	20,000 - 49,999 volts	27,934	392	146	1,080
2	50,000 - 99,999 "	13,226	117	—	833
3	100,000 - 149,999 "	15,736	—	—	153
4	150,000 - 199,999 "	987	—	—	—
5	200,000 - 249,999 "	5,752	—	—	—
6	250,000 - 299,999 "	—	—	—	—
7	300,000 - 349,999 "	2,125	—	—	—
8	350,000 volts and over	205	—	—	—
9	Total circuit mileage¹	65,965	509	146	2,066
10	Per cent of total for Canada	100.00	0.77	0.22	3.13

¹ Includes all circuits, overhead or underground, of 22,000 volts and over whether described as transmission or distribution.

TABLE 8. Pole Line Mileage at End of Year, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
664	3,509	5,726	946	95	90	715	—	1
—	58	70	3	23	—	—	—	2
—	—	—	—	—	—	—	—	3
—	—	23	—	—	—	—	—	4
1,163	5,747	10,465	4,115	10,050	12,607	3,353	174	5
8,714	35,662	58,862	29,394	58,745	42,881	13,411	157	6
12	5	650	—	1	—	—	—	7
14	1,822	2,221	180	87	436	377	1	8
—	76	37	14	4	13	211	—	9
25	—	30	—	—	—	—	—	10
10,592	46,879	78,084	34,652	69,005	56,027	18,067	332	11
3.21	14.19	23.64	10.49	20.89	16.96	5.47	0.10	12

TABLE 9. Circuit Mileage of Electric Line at End of Year, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
133	3,042	6,835	1,842	7,147	6,929	358	30	1
1,166	2,342	219	1,916	1,940	2,222	2,439	32	2
528	2,481	6,847	2,077	871	1,431	1,250	98	3
—	814	—	—	173	—	—	—	4
—	1,072	4,330	—	—	—	350	—	5
—	—	—	—	—	—	—	—	6
—	2,125	—	—	—	—	—	—	7
—	—	—	1	—	—	204	—	8
1,827	11,876	18,231	5,836	10,131	10,582	4,601	160	9
2.77	18.00	27.64	8.85	15.36	16.04	6.98	0.24	10

TABLE 10. Fuel Used to Generate Electricity, 1961

No.			Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:					
	Quantity of fuel:					
	Coal:					
1	Bituminous — Canadian	short ton	691,696	—	—	504,071
2	Imported	"	259,111	—	—	—
3	Sub-bituminous	"	232,407	—	—	—
4	Saskatchewan lignite	"	1,070,184	—	—	—
5	Other	"	—	—	—	—
6	Total coal	"	2,253,398	—	—	504,071
	Petroleum fuels:					
7	Furnace fuel oil — Light	Imp. gallon	2,812,870	—	—	154,314
8	Heavy	"	73,010,073	5,764,063	7,465,383	19,170,238
9	Diesel fuel oil	"	11,118,214	612,129	219,204	5,557
10	Other	"	295,696	—	—	—
11	Total petroleum fuels	"	87,236,853	6,376,192	7,684,587	19,330,109
	Gas:					
12	Natural	M. cu. ft.	41,253,192	—	—	—
13	Manufactured	"	—	—	—	—
14	Total gas	"	41,253,192	—	—	—
15	Other fuels		—	—	—	—
	Cost of fuel:					
	Coal:					
16	Bituminous — Canadian	\$	7,175,519	—	—	5,393,919
17	Imported	\$	1,973,825	—	—	—
18	Sub-bituminous	\$	393,814	—	—	—
19	Saskatchewan lignite	\$	1,881,720	—	—	—
20	Other	\$	—	—	—	—
21	Total coal	\$	11,424,878	—	—	5,393,919
	Petroleum fuels:					
22	Furnace fuel oil — Light	\$	323,144	—	—	22,676
23	Heavy	\$	4,553,326	389,831	478,183	1,209,642
24	Diesel fuel oil	\$	2,020,378	116,595	32,596	1,066
25	Other	\$	27,567	—	—	—
26	Total petroleum fuels	\$	6,924,415	506,426	510,779	1,233,384
	Gas:					
27	Natural	\$	6,323,906	—	—	—
28	Manufactured	\$	—	—	—	—
29	Total gas	\$	6,323,906	—	—	—
30	Other fuels	\$	—	—	—	—
31	Total all fuels	\$	24,673,199	506,426	510,779	6,627,303
32	Per cent of total for Canada	\$	100.00	2.05	2.07	26.86

¹ Fuel oil used in coal-fired stations for initial steam-raising; no resulting generation.

TABLE 10. Fuel Used to Generate Electricity, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
167,814	—	13,004	320	—	6,487	—	—	1
—	—	259,111	—	—	—	—	—	2
—	—	—	—	9,439	222,968	—	—	3
—	—	—	115,634	954,550	—	—	—	4
—	—	—	—	—	—	—	—	5
167,814	—	272,115	115,954	963,989	229,455	—	—	6
331,455	—	1,621,673	215,670	238,244	16,156	—	235,358	7
8,458,395	—	—	—	28,333,954	2,650,068	119,546	1,048,426	8
489,022	2,936,700	651,090	776,005	239,528	411,824	4,293,069	484,086	9
—	—	—	—	—	—	295,696	—	10
9,278,872	2,936,700	2,272,763	991,675	28,811,726	3,078,048	4,708,311	1,767,870	11
—	—	114,928	1,674,707	9,270,157	28,058,763	2,134,637	—	12
—	—	—	—	—	—	—	—	13
—	—	114,928	1,674,707	9,270,157	28,058,763	2,134,637	—	14
—	—	—	—	—	—	—	—	15
1,632,814	—	109,234	4,528	—	35,024	—	—	16
—	—	1,973,825 ¹	—	—	—	—	—	17
—	—	—	—	53,312	340,502	—	—	18
—	—	—	470,720	1,411,000	—	—	—	19
—	—	—	—	—	—	—	—	20
1,632,814	—	2,083,059	475,248	1,464,312	375,526	—	—	21
51,020	—	135,070	30,873	35,302	2,741	—	45,462	22
573,289	—	—	—	1,548,406	90,102	19,571	244,302	23
85,920	458,449	114,174	135,344	44,303	89,743	795,973	146,215	24
—	—	—	—	—	—	27,567	—	25
710,229	458,449	249,244	166,217	1,628,011	182,586	843,111	435,979	26
—	—	40,608	270,039	1,378,699	4,081,333	553,227	—	27
—	—	—	—	—	—	—	—	28
—	—	40,608	270,039	1,378,699	4,081,333	553,227	—	29
—	—	—	—	—	—	—	—	30
2,343,043	458,449	2,372,911	911,504	4,471,022	4,639,445	1,396,338	435,979	31
9.50	1.86	9.62	3.69	18.12	18.80	5.66	1.77	32

TABLE 10. Fuel Used to Generate Electricity, 1961 — Concluded

No.			Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated—Concluded:					
	Average B.t.u. content of fuel:					
	Coal:					
1	Bituminous—Canadian	per pound	12,705	—	—	12,998
2	Imported	"	12,417	—	—	—
3	Sub-bituminous	"	8,462	—	—	—
4	Saskatchewan lignite	"	6,576	—	—	—
5	Other	"	—	—	—	—
	Petroleum fuels:					
6	Furnace fuel oil—Light	per Imp. gal.	169,932	—	—	184,337
7	Heavy	"	178,813	180,582	182,506	180,495
8	Diesel fuel oil	"	165,327	167,629	172,180	167,888
9	Other	"	158,487	—	—	—
	Gas:					
10	Natural	per stand. cu. ft. ²	1,015	—	—	—
11	Manufactured	"	—	—	—	—
	Energy generated: ³					
	By coal:					
12	Bituminous—Canadian	'000 kwh.	1,199,516	—	—	900,308
13	Imported	"	488,995	—	—	—
14	Sub-bituminous	"	256,599	—	—	—
15	Saskatchewan lignite	"	994,228	—	—	—
16	Other	"	—	—	—	—
17	Total coal	"	2,939,338	—	—	900,308
	By petroleum fuels:					
18	Furnace fuel oil—Light	"	10,332	—	—	1,063
19	Heavy	"	910,892	76,871	84,726	282,156
20	Diesel fuel oil	"	129,065	9,880	3,424	71
21	Other	"	2,769	—	—	—
22	Total petroleum fuels	"	1,053,058	86,751	88,150	283,290
	By gas:					
23	Natural	"	3,070,375	—	—	—
24	Manufactured	"	—	—	—	—
25	Total gas	"	3,070,375	—	—	—
26	By other fuels	"	—	—	—	—
27	Total all fuels	"	7,062,771	86,751	88,150	1,183,598
28	Per cent of total for Canada ..		100.00	1.23	1.25	16.76

² Standard cubic foot—760 mm. mercury, 60° F.

TABLE 10. Fuel Used to Generate Electricity, 1961 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
11,873	—	12,417	13,400	—	12,000	—	—	1
—	—	12,417	—	—	—	—	—	2
—	—	—	—	8,644	8,454	—	—	3
—	—	—	7,199	6,500	—	—	—	4
—	—	—	—	—	—	—	—	5
166,000	—	168,505	165,000	176,000	165,000	—	174,640	6
181,256	—	—	—	175,741	182,382	180,000	166,200	7
166,472	163,218	167,000	168,831	169,227	165,964	165,106	164,371	8
—	—	—	—	—	—	158,487	—	9
—	—	1,030	1,035	1,015	1,014	1,003	—	10
—	—	—	—	—	—	—	—	11
267,980	—	24,541	285	—	6,402	—	—	12
—	—	488,995	—	—	—	—	—	13
—	—	—	—	13,142	243,457	—	—	14
—	—	—	115,065	879,163	—	—	—	15
—	—	—	—	—	—	—	—	16
267,980	—	513,536	115,350	892,305	249,859	—	—	17
—	—	—	1,005	3,242	—	—	5,022	18
105,275	—	—	—	311,425	33,524	1,533	15,382	19
6,533	24,390	7,179	10,775	3,184	6,036	51,731	5,862	20
—	—	—	—	—	—	2,769	—	21
111,808	24,390	7,179	11,780	317,851	39,560	56,033	26,266	22
—	—	12,127	122,484	591,562	2,144,092	200,110	—	23
—	—	—	—	—	—	—	—	24
—	—	12,127	122,484	591,562	2,144,092	200,110	—	25
—	—	—	—	—	—	—	—	26
379,788	24,390	532,842	249,614	1,801,718	2,433,511	256,143	26,266	27
5.38	0.34	7.54	3.53	25.51	34.46	3.63	0.37	28

³ Net output after deducting station service.

TABLE 11. Employees, Wages, and Salaries, 1961

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
	Employees (excluding construction employees):				
1	Administrative No.	17,575	196	18	548
2	Operating "	21,814	404	159	1,019
3	Total employees "	39,389	600	177	1,567
4	Per cent of total for Canada	100.00	1.52	0.45	3.98
	Wages and salaries (excluding construction employees):				
5	Administrative \$'000	91,429	858	123	2,298
6	Operating "	106,987	1,439	552	4,232
7	Total wages and salaries "	198,416	2,297	675	6,530
8	Per cent of total for Canada	100.00	1.16	0.34	3.29
	Publicly-operated:				
	Employees (excluding construction employees):				
9	Administrative No.	13,115	—	7	189
10	Operating "	15,769	2	20	438
11	Total employees "	28,884	2	27	627
12	Per cent of total for Canada	100.00	—	0.09	2.17
	Wages and salaries (excluding construction employees):				
13	Administrative \$'000	67,649	—	39	775
14	Operating "	79,179	5	63	1,651
15	Total wages and salaries "	146,828	5	102	2,426
16	Per cent of total for Canada	100.00	—	0.07	1.65
	Privately-operated:				
	Employees (excluding construction employees):				
17	Administrative No.	4,460	196	11	359
18	Operating "	6,045	402	139	581
19	Total employees "	10,505	598	150	940
20	Per cent of total for Canada	100.00	5.69	1.43	8.95
	Wages and salaries (excluding construction employees):				
21	Administrative \$'000	23,780	858	84	1,523
22	Operating "	27,808	1,434	489	2,581
23	Total wages and salaries "	51,588	2,292	573	4,104
24	Per cent of total for Canada	100.00	4.44	1.11	7.96

TABLE 11. Employees, Wages, and Salaries, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
504	5,250	7,332	1,196	852	620	999	60	1
740	5,115	8,838	1,324	1,598	1,117	1,336	164	2
1,244	10,365	16,170	2,520	2,450	1,737	2,335	224	3
3.16	26.31	41.05	6.40	6.22	4.41	5.93	0.57	4
1,997	26,529	40,855	5,852	3,291	3,372	5,898	356	5
2,692	22,350	46,402	5,848	8,633	5,727	8,213	899	6
4,689	48,879	87,257	11,700	11,924	9,099	14,111	1,255	7
2.36	24.63	43.98	5.90	6.01	4.59	7.11	0.63	8
486	2,745	7,205	1,193	837	180	223	50	9
703	2,110	8,543	1,324	1,510	447	547	125	10
1,189	4,855	15,748	2,517	2,347	627	770	175	11
4.12	16.81	54.52	8.71	8.13	2.17	2.67	0.61	12
1,913	13,133	40,177	5,840	3,200	1,034	1,248	290	13
2,535	9,713	44,858	5,848	8,200	2,372	3,252	682	14
4,448	22,846	85,035	11,688	11,400	3,406	4,500	972	15
3.03	15.56	57.92	7.96	7.76	2.32	3.07	0.66	16
18	2,505	127	3	15	440	776	10	17
37	3,005	295	—	88	670	789	39	18
55	5,510	422	3	103	1,110	1,565	49	19
0.52	52.45	4.02	0.03	0.98	10.56	14.90	0.47	20
84	13,396	678	12	91	2,338	4,650	66	21
157	12,637	1,544	—	433	3,355	4,961	217	22
241	26,033	2,222	12	524	5,693	9,611	283	23
0.47	50.46	4.31	0.02	1.02	11.03	18.63	0.55	24

TABLE 12. Assets and Liabilities at End of Year, 1961

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities—Publicly and privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	3,863,354	66,527	7,152	75,896
2	Transmission	1,400,281	3,011	1,086	28,437
3	Distribution	1,688,824	21,405	4,678	50,377
4	Other property and equipment	505,775	8,261	421	22,401
5	Totals	7,458,234	99,204	13,337	177,111
6	Accumulated depreciation	1,276,694	14,696	2,588	31,315
7	Total, less depreciation	6,181,540	84,508	10,749	145,796
8	Other fixed assets, less depreciation	275,318	—	2,605	1,459
9	Total fixed assets	6,456,858	84,508	13,354	147,255
	Current assets:				
10	Cash on hand and in banks	73,306	396	141	991
11	Temporary investments	93,773	601	—	3,473
12	Accounts receivable (net)	139,435	1,490	462	4,493
13	Inventories	76,943	773	334	2,476
14	Other	21,793	17	67	551
15	Total current assets	405,250	3,277	1,004	11,984
	Investments:				
16	In associated companies	52,698	1,755	—	2,805
17	Reserve fund investments	320,025	—	25	10,703
18	Other	25,291	128	45	81
19	Total investments	398,014	1,883	70	13,589
20	Deferred charges and prepaid expenses	263,089	386	147	831
21	Other assets	76,742	989	4	630
22	Total assets	7,599,953	91,043	14,579	174,289
	Liabilities:				
23	Long-term debt	4,916,665	44,961	5,054	93,570
	Current liabilities:				
24	Accounts payable and accrued liabilities	200,695	2,873	334	6,068
25	Loans and notes payable	46,467	3,056	550	1,110
26	Other	90,476	100	918	1,651
27	Total current liabilities	337,638	6,029	1,802	8,829
28	Reserves	681,275	274	2,752	23,352
29	Deferred credits and other liabilities	128,068	2,507	495	3,008
	Capital and surplus:				
30	Share capital	363,413	28,164	785	25,431
31	Surplus—Capital	160,922	2,963	1,037	4,316
32	Earned	1,011,972	6,145	2,654	15,783
33	Total capital and surplus	1,536,307	37,272	4,476	45,530
34	Total liabilities	7,599,953	91,043	14,579	174,289

TABLE 12. Assets and Liabilities at End of Year, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
68,270	1,182,061	1,605,589	209,066	87,700	37,873	486,498	26,722	1
35,647	393,635	666,749	39,266	55,945	15,148	157,893	3,464	2
41,932	436,934	586,634	136,225	111,274	36,102	262,337	926	3
3,095	100,807	131,134	25,597	13,530	169,206	29,569	1,754	4
148,944	2,113,437	2,990,106	410,154	278,449	258,329	936,297	32,866	5
29,535	444,758	427,439	72,147	60,928	58,224	129,897	5,167	6
119,409	1,668,679	2,562,667	338,007	217,521	200,105	806,400	27,699	7
17,015	31,859	22,143	29,663	49,097	9,738	111,699	40	8
136,424	1,700,538	2,584,810	367,670	266,618	209,843	918,099	27,739	9
712	6,621	56,679	3,489	335	956	2,896	90	10
3	43,693	31,535	1,019	5,087	4,064	4,297	1	11
3,960	39,763	50,912	5,675	5,686	6,142	19,079	1,773	12
1,967	14,127	35,489	4,812	5,842	3,611	6,951	561	13
9,138	1,956	4,081	1,811	919	710	2,542	1	14
15,780	106,160	178,696	16,806	17,869	15,483	35,765	2,426	15
27	44,263	—	5	215	3,232	42	357	16
1,248	1,592	283,143	22,350	—	965	—	—	17
46	9,099	241	10,655	620	95	3,274	1,004	18
1,321	54,954	283,383	33,010	835	4,292	3,316	1,361	19
3,693	16,224	210,678	4,500	6,244	778	19,588	20	20
78	19,236	5,990	76	28,091	1,685	19,881	82	21
157,296	1,897,112	3,263,557	422,062	319,657	232,081	996,649	31,628	22
136,708	1,092,219	2,024,416	329,969	237,578	103,675	821,626	26,889	23
6,041	66,291	36,409	5,801	23,825	11,570	41,011	472	24
4	5,982	1,292	8,090	433	7,219	18,681	50	25
23	4,516	31,898	43,282	316	5,679	1,954	139	26
6,068	76,789	69,599	57,173	24,574	24,468	61,646	661	27
6,831	320,358	280,162	30,427	794	6,657	7,772	1,896	28
317	42,193	9,588	3,485	38,876	24,583	2,999	17	29
1,380	257,392	9,885	31	506	32,199	7,435	205	30
2,957	6,959	132,294	43	896	3,643	5,439	375	31
3,035	101,202	737,613	934	16,433	36,856	89,732	1,585	32
7,372	365,553	879,792	1,008	17,835	72,698	102,606	2,165	33
157,296	1,897,112	3,263,557	422,062	319,657	232,081	996,649	31,628	34

TABLE 12. Assets and Liabilities at End of Year, 1961 — Continued

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	2,882,580	106	926	42,778
2	Transmission	1,088,391	260	—	12,068
3	Distribution	1,194,688	1,973	681	23,410
4	Other property and equipment	221,467	17	—	1,843
5	Totals	5,387,126	2,356	1,607	80,099
6	Accumulated depreciation	791,570	—	351	4,407
7	Total, less depreciation	4,595,556	2,356	1,256	75,692
8	Other fixed assets, less depreciation	132,208	—	—	342
9	Total fixed assets	4,727,764	2,356	1,256	76,034
	Current assets:				
10	Cash on hand and in banks	63,176	1	—	386
11	Temporary investments	69,733	—	—	803
12	Accounts receivable (net)	90,358	18	48	1,995
13	Inventories	60,451	—	30	1,016
14	Other	18,101	—	62	382
15	Total current assets	301,819	19	140	4,582
	Investments:				
16	In associated companies	—	—	—	—
17	Reserve fund investments	318,850	—	—	10,703
18	Other	12,389	—	—	80
19	Total investments	331,239	—	—	10,783
20	Deferred charges and prepaid expenses	241,735	—	—	98
21	Other assets	64,047	102	—	62
22	Total assets	5,666,604	2,477	1,396	91,559
	Liabilities:				
23	Long-term debt	3,794,929	—	227	58,780
	Current liabilities:				
24	Accounts payable and accrued liabilities	117,842	39	105	2,705
25	Loans and notes payable	29,651	—	—	530
26	Other	79,165	—	—	1,105
27	Total current liabilities	226,658	39	105	4,340
28	Reserves	665,619	—	35	20,526
29	Deferred credits and other liabilities	84,192	—	62	553
	Capital and surplus:				
30	Share capital	4,366	2,438	—	1,150
31	Surplus — Capital	141,379	—	967	3,357
32	Earned	749,461	—	—	2,853
33	Total capital and surplus	895,206	2,438	967	7,360
34	Total liabilities	5,666,604	2,477	1,396	91,559

TABLE 12. Assets and Liabilities at End of Year, 1961 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
66,518	710,019	1,566,846	209,066	85,689	20,291	154,647	25,694	1
35,173	248,653	655,877	39,266	54,932	118	38,785	3,259	2
39,033	232,126	577,241	135,839	111,063	26,720	46,602	—	3
2,757	43,669	126,846	25,454	12,760	2,532	4,154	1,435	4
143,481	1,234,467	2,926,810	409,625	264,444	49,661	244,188	30,388	5
27,776	174,518	406,792	71,911	50,415	17,611	33,226	4,563	6
115,705	1,059,949	2,520,018	337,714	214,029	32,050	210,962	25,825	7
17,015	15,262	11,457	29,663	49,097	6,015	3,317	40	8
132,720	1,075,211	2,531,475	367,377	263,126	38,065	214,279	25,865	9
570	1,260	56,140	3,468	252	30	1,057	12	10
3	31,143	30,916	1,019	5,087	752	10	—	11
3,888	18,503	48,586	5,625	5,659	1,470	3,095	1,471	12
1,925	8,220	35,112	4,812	5,568	1,612	1,639	517	13
9,138	973	4,077	1,811	919	639	100	—	14
15,524	60,099	174,831	16,735	17,485	4,503	5,901	2,000	15
—	—	—	—	—	—	—	—	16
1,248	442	283,142	22,350	—	965	—	—	17
3	7	—	10,654	620	21	—	1,004	18
1,251	449	283,142	33,004	620	986	—	1,004	19
3,677	11,563	210,020	4,500	6,237	3	5,620	17	20
78	9,998	5,905	76	28,091	95	19,565	75	21
153,250	1,157,320	3,205,373	421,692	315,559	43,652	245,365	28,961	22
135,738	780,198	2,000,097	329,969	237,399	20,713	205,945	25,863	23
5,880	37,913	34,296	5,770	23,589	1,639	5,712	194	24
4	1,101	1,092	8,090	433	181	18,170	50	25
23	209	31,795	43,046	269	1,694	922	102	26
5,907	39,233	67,183	56,906	24,291	3,514	24,804	346	27
6,720	317,286	280,150	30,427	790	2,041	5,805	1,839	28
314	14,935	7,908	3,415	38,847	15,191	2,967	—	29
—	285	132	—	—	1	360	—	30
2,503	4,113	122,414	43	896	1,648	5,438	—	31
2,068	1,280	727,489	932	13,336	544	46	913	32
4,571	5,678	850,035	975	14,232	2,193	5,844	913	33
153,250	1,157,320	3,205,373	421,692	315,559	43,652	245,365	28,961	34

TABLE 12. Assets and Liabilities at End of Year, 1961 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Privately-operated:				
	Assets:				
	Fixed Assets:				
	Electric utility (at original cost):				
1	Generating plant	980,774	66,421	6,226	33,118
2	Transmission	311,890	2,751	1,086	16,369
3	Distribution	494,136	19,432	3,997	26,967
4	Other property and equipment	284,308	8,244	421	20,558
5	Totals	2,071,108	96,848	11,730	97,012
6	Accumulated depreciation	485,124	14,696	2,237	26,908
7	Total, less depreciation	1,585,984	82,152	9,493	70,104
8	Other fixed assets, less depreciation	143,110	—	2,605	1,117
9	Total fixed assets	1,729,094	82,152	12,098	71,221
	Current assets:				
10	Cash on hand and in banks	10,130	395	141	605
11	Temporary investments	24,040	601	—	2,670
12	Accounts receivable (net)	49,077	1,472	414	2,498
13	Inventories	16,492	773	304	1,460
14	Other	3,692	17	5	169
15	Total current assets	103,431	3,258	864	7,402
	Investments:				
16	In associated companies	52,698	1,755	—	2,805
17	Reserve fund investments	1,175	—	25	—
18	Other	12,902	128	45	1
19	Total investments	66,775	1,883	70	2,806
20	Deferred charges and prepaid expenses	21,354	386	147	733
21	Other assets	12,695	887	4	568
22	Total assets	1,933,349	88,566	13,183	82,730
	Liabilities:				
23	Long-term debt	1,121,736	44,961	4,827	34,790
	Current liabilities:				
24	Accounts payable and accrued liabilities	82,853	2,834	229	3,363
25	Loans and notes payable	16,816	3,056	550	580
26	Other	11,311	100	918	546
27	Total current liabilities	110,980	5,990	1,697	4,489
28	Reserves	15,656	274	2,717	2,826
29	Deferred credits and other liabilities	43,876	2,507	433	2,455
	Capital and surplus:				
30	Share capital	359,047	25,126	785	24,281
31	Surplus — Capital	19,543	2,963	70	959
32	Earned	262,511	6,145	2,654	12,930
33	Total capital and surplus	641,101	34,834	3,509	38,170
34	Total liabilities	1,933,349	88,566	13,183	82,730

TABLE 12. Assets and Liabilities at End of Year, 1961 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
1,752	472,042	38,743	—	12,011	17,582	331,851	1,028	1
474	144,982	10,872	—	1,013	15,030	119,108	205	2
2,899	204,808	9,393	386	211	9,382	215,735	926	3
338	57,138	4,288	143	770	166,674	25,415	319	4
5,463	878,970	63,296	529	14,005	208,668	692,109	2,478	5
1,759	270,240	20,647	236	10,513	40,613	96,671	604	6
3,704	608,730	42,649	293	3,492	168,055	595,438	1,874	7
—	16,597	10,686	—	—	3,723	108,382	—	8
3,704	625,327	53,335	293	3,492	171,778	703,820	1,874	9
142	5,361	539	21	83	926	1,839	78	10
—	12,550	619	—	—	3,312	4,287	1	11
72	21,260	2,326	50	27	4,672	15,984	302	12
42	5,907	377	—	274	1,999	5,312	44	13
—	983	4	—	—	71	2,442	1	14
256	46,061	3,865	71	384	10,980	29,864	426	15
27	44,260	—	5	215	3,232	42	357	16
—	1,150	—	—	—	—	—	—	17
43	9,095	241	1	—	74	3,274	—	18
70	54,505	241	6	215	3,306	3,316	357	19
16	4,661	658	—	7	775	13,968	3	20
—	9,238	85	—	—	1,590	316	7	21
4,046	739,792	58,184	370	4,098	188,429	751,284	2,667	22
970	312,021	24,319	—	179	82,962	615,681	1,026	23
161	28,378	2,113	31	236	9,931	35,299	278	24
—	4,881	200	—	—	7,038	511	—	25
—	4,307	103	236	47	3,985	1,032	37	26
161	37,566	2,416	267	283	20,954	36,842	315	27
111	3,072	12	—	4	4,616	1,967	57	28
3	27,258	1,680	70	29	9,392	32	17	29
1,380	257,107	9,753	31	506	32,198	7,075	205	30
454	2,846	9,880	—	—	1,995	1	375	31
967	99,922	10,124	2	3,097	36,312	89,686	672	32
2,801	359,875	29,757	33	3,603	70,505	96,762	1,252	33
4,046	739,792	58,184	370	4,098	188,429	751,284	2,667	34

TABLE 13. Income Account, 1961

No.		Canada	New-foundland.	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Operating revenue:				
1	Sale of electricity ¹	1,094,009	12,026	2,870	37,291
2	Other	55,538	338	12	848
3	Total operating revenue	1,149,547	12,364	2,882	38,139
	Operating expense:				
4	Operation, maintenance and administration	356,200	3,602	1,446	16,525
5	Power purchased	239,464	847	64	5,900
6	Depreciation	148,985	2,241	410	4,171
7	Total operating expense	744,649	6,690	1,920	26,596
8	Operating income	404,898	5,674	962	11,543
9	Other income	19,876	168	3	353
10	Total income	424,774	5,842	965	11,896
	Income deductions:				
11	Interest on long-term debt	200,784	2,014	227	4,414
12	Income tax	47,182	1,690	286	2,850
13	Other deductions	58,598	233	39	1,044
14	Total income deductions	306,564	3,937	552	8,308
15	Net income	118,210	1,905	413	3,588
	Publicly-operated:				
	Operating revenue:				
16	Sale of electricity ¹	746,814	18	409	12,560
17	Other	10,185	28	6	417
18	Total operating revenue	756,999	46	415	12,977
	Operating expense:				
19	Operation, maintenance and administration	219,714	38	209	4,745
20	Power purchased	181,018	—	37	3,300
21	Depreciation	98,280	—	43	957
22	Total operating expense	499,012	38	289	9,002
23	Operating income	257,987	8	126	3,975
24	Other income	8,266	—	—	60
25	Total income	266,253	8	126	4,035
	Income deductions:				
26	Interest on long-term debt	155,136	—	11	2,815
27	Income tax	—	—	—	—
28	Other deductions	54,334	—	39	886
29	Total income deductions	209,470	—	50	3,701
30	Net income	56,783	8	76	334
	Privately-operated:				
	Operating revenue:				
31	Sale of electricity ¹	347,195	12,008	2,461	24,731
32	Other	45,353	310	6	431
33	Total operating revenue	392,548	12,318	2,467	25,162
	Operating expense:				
34	Operation, maintenance and administration	136,486	3,564	1,237	11,780
35	Power purchased	58,446	847	27	2,600
36	Depreciation	50,705	2,241	367	3,214
37	Total operating expense	245,637	6,652	1,631	17,594
38	Operating income	146,911	5,666	836	7,568
39	Other income	11,610	168	3	293
40	Total income	158,521	5,834	839	7,861
	Income deductions:				
41	Interest on long-term debt	45,648	2,014	216	1,599
42	Income tax	47,182	1,690	286	2,850
43	Other deductions	4,264	233	—	158
44	Total income deductions	97,094	3,937	502	4,607
45	Net income	61,427	1,897	337	3,254

¹ This table is a composite summation of all the reports received. Revenue from the sale of electricity, therefore, includes duplications arising from inter-utility sales and is larger than the revenue shown in Table 6.

TABLE 13. Income Account, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
27,606	290,100	460,560	45,455	43,039	68,913	101,528	4,621	1
150	6,359	3,664	823	33	1,536	40,817	958	2
27,756	296,459	464,224	46,278	43,072	70,449	142,345	5,579	3
10,932	85,434	124,297	17,941	17,529	18,751	57,259	2,484	4
5,148	54,506	149,120	5,202	2,667	11,905	3,404	701	5
3,830	39,493	47,435	10,462	9,213	8,143	22,746	841	6
19,910	179,433	320,852	33,605	29,409	38,799	83,409	4,026	7
7,846	117,026	143,372	12,673	13,663	31,650	58,936	1,553	8
12	8,704	60	2,037	2,221	650	5,402	266	9
7,858	125,730	143,432	14,710	15,884	32,300	64,338	1,819	10
5,639	38,357	87,342	12,557	9,878	4,791	34,744	821	11
191	23,685	2,803	—	182	7,572	7,768	155	12
1,267	15,262	32,846	1,995	1,564	3,386	962	—	13
7,097	77,304	122,991	14,552	11,624	15,749	43,474	976	14
761	48,426	20,441	158	4,260	16,551	20,864	843	15
24,977	114,445	445,249	44,885	41,295	31,897	28,043	3,036	16
127	3,032	3,547	822	31	1,028	195	952	17
25,104	117,477	448,796	45,707	41,326	32,925	28,238	3,988	18
10,228	31,896	120,457	17,894	16,654	7,447	8,096	2,050	19
3,836	6,229	146,347	4,699	2,566	11,343	2,661	—	20
3,696	19,885	45,962	10,442	8,812	2,158	5,585	740	21
17,760	58,010	312,766	33,035	28,032	20,948	16,342	2,790	22
7,344	59,467	136,030	12,672	13,294	11,977	11,896	1,198	23
11	2,914	5	2,037	2,217	16	761	245	24
7,355	62,381	136,035	14,709	15,511	11,993	12,657	1,443	25
5,570	26,411	86,268	12,557	9,869	1,851	9,009	775	26
—	—	—	—	—	—	—	—	27
1,267	13,716	32,248	1,995	1,564	2,546	73	—	28
6,837	40,127	118,516	14,552	11,433	4,397	9,082	775	29
518	22,254	17,519	157	4,078	7,596	3,575	668	30
2,629	175,655	15,311	570	1,744	37,016	73,485	1,585	31
23	3,327	117	1	2	508	40,622	6	32
2,652	178,982	15,428	571	1,746	37,524	114,107	1,591	33
704	53,538	3,840	47	875	11,304	49,163	434	34
1,312	48,277	2,773	503	101	562	743	701	35
134	19,608	1,473	20	401	5,985	17,161	101	36
2,150	121,423	8,086	570	1,377	17,851	67,067	1,236	37
502	57,559	7,342	1	369	19,673	47,040	355	38
1	5,790	55	—	4	634	4,641	21	39
503	63,349	7,397	1	373	20,307	51,681	376	40
69	11,946	1,074	—	9	2,940	25,735	46	41
191	23,685	2,803	—	182	7,572	7,768	155	42
—	1,546	598	—	—	840	889	—	43
260	37,177	4,475	—	191	11,352	34,392	201	44
243	26,172	2,922	1	182	8,955	17,289	175	45

TABLE 14. Taxes, 1961

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
1	Municipal	20,250	66	71	1,461
2	Provincial	15,294	23	1	2
3	Federal	39,943	1,690	227	2,853
4	Total taxes	75,487	1,779	299	4,316
5	Per cent of total for Canada	100.00	2.36	0.40	5.72
	Publicly-operated:				
6	Municipal	9,623	—	11	203
7	Provincial	3,062	—	—	1
8	Federal	1,375	—	—	3
9	Total taxes	14,060	—	11	207
10	Per cent of total for Canada	100.00	—	0.08	1.47
	Privately-operated:				
11	Municipal	10,627	66	60	1,258
12	Provincial	12,232	23	1	1
13	Federal	38,568	1,690	227	2,850
14	Total taxes	61,427	1,779	288	4,109
15	Per cent of total for Canada	100.00	2.90	0.47	6.69

TABLE 15. Capital and Repair Expenditure¹

No.		1959						
		Electric utilities ²			Other industries			Grand total
		Capital	Repair	Total	Capital	Repair	Total	
		thousands of dollars						
1	Electric power generating plants including water conveying and controlling structures	145,808	8,049	153,857	5,413	2,482	7,895	161,752
2	Electric transformer stations	36,935	6,832	43,767	1,790	291	2,081	45,848
3	Power transmission and distribution	137,422	22,879	160,301	8,415	2,936	11,351	171,652
4	Street lighting	5,077	2,062	7,139	5,500	2,938	8,438	15,577
5	Total generating transmission and distribution facilities	325,242	39,822	365,064	21,118	8,647	29,765	394,829
6	Dams and reservoirs	26,340	892	27,232	...	...	...	...
7	Other facilities	35,718	2,386	38,104	...	...	...	...
8	Totals	387,300	43,100	430,400	...	...	...	...
9	Machinery and equipment	186,400	26,100	212,500	...	...	...	...
10	Total electric utilities	573,700	69,200	642,900	...	...	...	...

¹ Compiled by Business Finance Division, DBS.

TABLE 14. Taxes, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
214	6,023	5,868	691	485	2,588	2,775	10	1
29	12,153	880	—	3	97	2,106	—	2
204	17,538	3,411	—	182	6,439	7,237	162	3
447	35,714	10,157	691	670	9,124	12,118	172	4
0.59	47.31	13.45	0.91	0.89	12.09	16.05	0.23	5
108	791	5,162	691	480	1,849	328	—	6
3	2,800	245	—	—	—	13	—	7
23	101	998	—	—	—	250	—	8
134	3,692	6,403	691	480	1,849	591	—	9
0.95	26.26	45.55	4.92	3.41	13.15	4.20	—	10
106	5,232	704	—	5	739	2,447	10	11
26	9,353	635	—	3	97	2,093	—	12
181	17,437	2,413	—	182	6,439	6,987	162	13
313	32,022	3,752	—	190	7,275	11,527	172	14
0.51	52.13	6.11	—	0.31	11.84	18.76	0.28	15

TABLE 15. Capital and Repair Expenditures¹

1960							1961			No.
Electric utilities ²			Other industries			Grand total	Electric utilities			
Capital	Repairs	Total	Capital	Repairs	Total		Capital	Repairs	Total	
thousands of dollars										
110,000	9,253	119,253	6,971	2,753	9,724	128,977	177,117	10,851	187,968	1
34,173	6,534	40,707	1,936	913	2,849	43,556	23,848	6,153	30,001	2
129,917	23,144	153,061	3,498	3,119	6,617	159,678	125,469	27,372	152,841	3
7,408	2,056	9,464	4,715	2,487	7,202	16,666	9,041	2,266	11,307	4
281,498	40,987	322,485	17,120	9,272	26,392	348,877	335,475	46,642	382,117	5
52,734	649	53,383	—	—	—	—	33,653	636	34,289	6
37,268	1,764	39,032	—	—	—	—	43,872	1,922	45,794	7
371,500	43,400	414,900	—	—	—	—	413,000	49,200	462,200	8
161,300	30,700	192,000	—	—	—	—	156,800	29,500	186,300	9
532,800	74,100	606,900	—	—	—	—	569,800	78,700	648,500	10

² Includes Aluminum Company of Canada Ltd.

TABLE 16. Supply and Demand of Electric Energy, 1949 - 60
Canada

No.		1949	1950	1951	1952
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	35,991,689	39,712,673	46,096,297	49,578,034
2	Industries	11,999,500	12,422,132	12,158,002	12,783,682
3	Totals	47,991,189	52,134,805	58,254,299	62,361,716
	Thermal-generation (net):				
4	Utilities	1,444,883	1,692,849	1,775,562	2,293,147
5	Industries	1,454,121	1,554,308	1,745,851	1,841,658
6	Totals	2,899,004	3,247,157	3,521,413	4,134,805
7	Grand total generation (3 + 6)	50,890,193	55,381,962	61,775,712	66,496,521
8	Imports from United States	31,205	2,591	8,956	19,985
9	Imports from other Provinces .....	...	...	...	...
10	Total supply of electric energy (7 + 8 + 9)	50,921,398	55,384,553	61,784,668	66,516,506
	Demand for electric energy:				
11	Residential and farm	5,678,847	6,750,303	7,726,114	8,741,182
	Manufacturing consumption:				
12	Pulp and paper	11,729,722	12,389,859	13,142,684	13,972,041
13	Smelting and refining	9,228,040	9,918,509	10,800,837	12,045,222
14	Chemicals	3,092,400	3,444,158	3,905,452	3,709,041
15	Primary iron and steel	1,877,428	1,835,569	2,363,325	2,600,279
16	Abrasives	719,187	725,705	1,121,261	934,275
17	Other manufacturing	4,463,475	4,929,668	5,544,304	5,806,352
18	Total manufacturing consumption (12 to 17)	31,110,252	33,243,468	36,877,863	39,067,210
19	Mining consumption	2,293,906	2,530,100	2,813,306	2,942,388
20	Total industrial consumption (18 + 19)	33,404,158	35,773,568	39,691,169	42,009,598
	Commercial and other consumption:				
21	At power rates	2,722,775	2,821,799	2,739,879	3,426,038
22	At commercial rates	2,418,203	2,809,459	3,152,501	3,489,248
23	Street lighting	285,135	303,276	320,722	348,246
24	Total (21 + 22 + 23)	5,426,113	5,934,534	6,213,102	7,263,532
25	Line loss, free service and unaccounted for	4,655,528	5,000,281	5,778,761	6,008,984
26	Residual error of estimate	—	—	—	—
27	Total domestic demand (11 + 18 + 19 + 24 + 25)	49,164,646	53,458,686	59,409,146	64,023,296
28	Total exports to United States	1,756,752	1,925,867	2,375,522	2,493,210
29	Total exports to other provinces .....	...	...	...	...
30	Total demand for electric energy (27 + 28 + 29)	50,921,398	55,384,553	61,784,668	66,516,506

TABLE 16. Supply and Demand of Electric Energy, 1949 - 60
Canada

1953	1954	1955	1956	1957	1958	1959	1960	No.
thousands of kilowatt-hours								
49,408,537	53,009,910	59,773,529	64,242,172	66,040,067	71,171,268	77,767,745	83,202,548	1
15,113,309	16,320,565	16,963,976	17,613,568	17,333,153	19,337,932	19,272,085	22,680,225	2
64,521,846	69,330,475	76,737,505	81,855,740	83,373,220	90,509,200	97,039,830	105,882,773	3
3,836,239	3,282,190	3,340,340	4,403,530	5,482,927	4,781,864	5,281,140	5,953,853	4
1,942,785	1,926,917	2,143,459	2,195,339	2,258,608	2,234,525	2,349,588	2,620,568	5
5,779,024	5,209,107	5,483,799	6,598,869	7,741,535	7,016,389	7,630,728	8,574,421	6
70,300,870	74,539,582	82,221,304	88,454,609	91,114,755	97,525,589	104,670,558	114,457,194	7
180,637	119,024	158,562	239,173	832,974	245,062	512,002	356,878	8
...	...	...	...	...	...	...	...	9
70,481,507	74,658,606	82,379,866	88,693,782	91,947,729	97,770,651	105,182,560	114,814,072	10
9,877,727	11,280,513	12,713,204	14,338,789	15,857,618	17,290,984	19,007,111	20,397,014	11
14,700,541	15,376,028	15,177,125	15,231,703	16,049,923	18,287,599	19,371,127	20,916,595	12
13,311,547	13,675,773	15,196,100	15,375,544	14,954,989	16,372,053	15,902,306	19,735,198	13
3,895,608	4,196,480	4,247,488	4,481,714	4,831,978	5,766,263	5,947,417	6,411,146	14
1,927,431	1,578,564	2,211,757	2,676,761	2,553,634	1,818,214	2,303,183	2,512,295	15
1,029,784	790,159	1,034,460	1,127,217	1,201,933	902,249	1,070,648	1,162,801	16
6,404,683	6,776,410	7,339,494	8,225,143	8,681,987	9,080,782	10,331,732	10,934,134	17
41,269,594	42,393,414	45,206,424	47,118,082	48,274,444	52,227,160	54,926,413	61,672,169	18
2,914,609	3,129,504	3,427,535	4,075,465	4,339,053	4,649,256	4,809,849	4,928,387	19
44,184,203	45,522,918	48,633,959	51,193,547	52,613,497	56,876,416	59,736,262	66,600,556	20
3,300,122	3,720,320	4,152,463	4,155,401	3,717,537	3,604,434	4,556,867	4,239,462	21
3,881,423	4,210,156	4,690,922	5,191,465	5,974,378	6,414,986	6,874,678	7,488,825	22
379,815	406,609	435,677	473,726	511,439	554,733	584,704	656,759	23
7,561,360	8,337,085	9,279,062	9,820,592	10,203,354	10,574,153	12,016,249	12,385,046	24
6,434,187	6,799,782	7,320,181	8,232,578	8,378,087	8,784,705	9,634,157	10,304,075	25
—	—	—	4,607	62,693	158,475	195,737	384,471	26
68,057,477	71,940,298	77,946,406	83,590,113	87,115,249	93,684,733	100,589,516	109,302,220	27
2,424,030	2,718,308	4,433,460	5,103,669	4,832,480	4,085,918	4,593,044	5,511,852	28
...	...	...	...	...	...	...	...	29
70,481,507	74,658,606	82,379,866	88,693,782	91,947,729	97,770,651	105,182,560	114,814,072	30

TABLE 16. Supply and Demand of Electric Energy 1949-60 — Continued
Newfoundland

No.		1949	1950	1951	1952
		thousands of kilowat-hours			
	Supply of Electric energy:				
	Hydro-generation (net):				
1	Utilities	129,202	146,461	170,898	228,875
2	Industries	866,610	912,457	885,125	930,757
3	Totals	995,812	1,058,918	1,030,023	1,159,032
	Thermal-generation (net):				
4	Utilities	736	1,009	1,538	4,416
5	Industries	25,000	27,000	25,000	30,000
6	Totals	25,736	28,009	26,538	34,416
7	Grand total generation (3+6)	1,021,548	1,086,927	1,056,561	1,194,048
8	Imports from United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7+8+9)	1,021,548	1,086,927	1,056,561	1,194,048
	Demand for electric energy:				
11	Residential and farm	31,906	40,051	48,258	61,577
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	886,448	934,625	886,029	968,566
19	Mining consumption	46,469	46,244	52,025	56,007
20	Total industrial consumption (18 + 19)	932,917	980,869	938,054	1,024,573
	Commercial and other consumption:				
21	At power rates	23,691	26,183	30,124	55,824
22	At commercial rates	13,151	17,213	16,618	22,928
23	Street lighting	2,418	2,537	2,737	3,823
24	Totals (21+22+23)	39,260	45,933	49,479	82,575
25	Line loss, free service and unaccounted for	17,465	20,074	20,770	25,323
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25)	1,021,548	1,086,927	1,056,561	1,194,048
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	—	—	—
30	Total demand for electric energy (27 + 28 + 29)	1,021,548	1,086,927	1,056,561	1,194,048

TABLE 16. Supply and Demand of Electric Energy 1949-60 — Continued
Newfoundland

1953	1954	1955	1956	1957	1958	1959	1960	No.
thousands of kilowatt-hours								
247,187	274,213	704,797	1,009,291	969,891	983,499	1,009,845	1,036,514	1
868,222	873,298	561,130	351,454	343,505	357,344	360,981	388,163	2
1,115,409	1,147,511	1,265,927	1,360,745	1,313,396	1,340,843	1,370,826	1,424,677	3
4,240	5,564	6,658	2,967	12,524	8,576	35,665	47,198	4
25,000	25,506	30,910	32,334	49,789	61,753	42,147	39,684	5
29,240	31,070	37,568	35,301	62,313	70,329	77,812	86,882	6
1,144,649	1,178,581	1,303,495	1,396,046	1,375,709	1,411,172	1,448,638	1,511,559	7
—	—	—	—	—	—	—	—	8
—	—	—	—	8,504	—	—	—	9
1,144,649	1,178,581	1,303,495	1,396,046	1,384,213	1,411,172	1,448,638	1,511,559	10
71,977	87,089	103,400	121,714	132,678	138,766	160,820	169,481	11
								12
								13
								14
								15
								16
								17
913,508	917,464	969,733	966,182	911,183	929,525	944,966	955,413	18
60,599	66,928	73,438	98,066	108,130	107,251	111,130	118,300	19
974,107	984,392	1,043,171	1,064,248	1,019,313	1,036,776	1,056,096	1,073,713	20
35,476	41,630	47,574	42,231	39,839	38,357	34,949	40,447	21
22,556	25,296	29,271	32,642	35,511	37,969	41,809	50,429	22
3,859	3,979	4,411	3,883	4,073	4,112	4,429	5,065	23
61,891	70,905	81,256	78,756	79,423	80,438	81,187	95,941	24
36,674	36,195	75,668	104,391	110,663	110,963	113,141	101,510	25
—	—	—	- 4,559	- 2,484	7,255	- 3,899	- 13,800	26
1,144,649	1,178,581	1,303,495	1,364,550	1,339,593	1,374,198	1,407,345	1,426,845	27
—	—	—	—	—	—	—	—	28
—	—	—	31,496	44,620	36,974	41,293	84,714	29
1,144,649	1,178,581	1,303,495	1,396,046	1,384,213	1,411,172	1,448,638	1,511,559	30

TABLE 16. Supply and Demand of Electric Energy 1949-60 — Continued
Prince Edward Island

No		1949	1950	1951	1952
		thousands of kilowatt-hours			
	Supply of Electric Energy:				
	Hydro-generation (net):				
1	Utilities	462	371	565	509
2	Industries	—	—	—	—
3	Totals	462	371	565	509
	Thermal-generation (net):				
4	Utilities	24,488	28,679	32,203	35,370
5	Industries	—	—	—	—
6	Totals	24,488	28,679	32,203	35,370
7	Grand total generation (3+6)	24,950	29,050	32,768	35,879
8	Imports from the United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7+8+9)	24,950	29,050	32,768	35,879
	Demand for Electricity Energy:				
11	Residential and farm	9,433	10,526	11,479	11,954
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	2,660	3,273	3,614	3,656
19	Mining consumption	—	—	—	—
20	Total industrial consumption (18+19)	2,660	3,273	3,614	3,656
	Commercial and other consumption:				
21	At power rates	2,206	2,571	2,864	3,604
22	At commercial rates	6,425	7,815	10,063	10,926
23	Street lighting	470	498	521	620
24	Totals (21+22+23)	9,101	10,884	13,448	15,150
25	Line Loss, free service and unaccounted for	3,756	4,367	4,227	5,119
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11+18+19+24+25)	24,950	29,050	32,768	35,879
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	—	—	—
30	Total demand for electricity energy (27+28+29)	24,950	29,050	32,768	35,879

TABLE 16. Supply and Demand of Electric Energy 1949 - 60 -- Continued
Prince Edward Island

1953	1954	1955	1956	1957	1958	1959	1960	No.
thousands of kilowatt-hours								
366	645	545	441	370	537	340	415	1
—	—	—	—	—	—	—	—	2
366	645	545	441	370	537	340	415	3
39,073	41,869	45,885	51,355	56,613	62,492	70,802	79,037	4
—	7	7	7	5	5	—	—	5
39,073	41,876	45,892	51,362	56,618	62,497	70,802	79,037	6
39,439	42,521	46,437	51,803	56,988	63,034	71,142	79,452	7
—	—	—	—	—	—	—	—	8
—	—	—	—	—	—	—	—	9
39,439	42,521	46,437	51,803	56,988	63,034	71,142	79,452	10
13,042	14,053	15,789	18,957	20,560	23,103	27,033	30,130	11
								12
								13
								14
								15
								16
								17
4,275	5,023	4,987	5,568	5,746	5,727	8,983	9,693	18
—	—	—	—	—	—	—	—	19
4,275	5,023	4,987	5,568	5,746	5,727	8,983	9,693	20
4,515	4,739	5,160	2,503	2,131	2,994	2,959	4,489	21
11,094	11,660	12,420	15,861	18,088	19,507	19,894	20,511	22
766	808	785	803	995	1,017	1,238	1,208	23
16,375	17,207	18,365	19,167	21,214	23,518	24,091	26,208	24
5,747	6,238	7,296	8,012	9,375	10,582	11,035	13,421	25
—	—	—	99	93	104	—	—	26
39,439	42,521	46,437	51,803	56,988	63,034	71,142	79,452	27
—	—	—	—	—	—	—	—	28
—	—	—	—	—	—	—	—	29
39,439	42,521	46,437	51,803	56,988	63,034	71,142	79,452	30

TABLE 16. Supply and Demand of Electric Energy 1949-60 — Continued
Nova Scotia

No.		1949	1950	1951	1952
		thousands of kilowatt-hours			
	Supply of Electric Energy:				
	Hydro-generation (net):				
1	Utilities	367,671	376,441	494,418	458,912
2	Industries	149,552	151,343	102,743	98,494
3	Totals	517,223	527,784	597,161	557,406
	Thermal-generation (net):				
4	Utilities	258,450	294,968	331,055	456,665
5	Industries	102,990	107,450	137,328	138,376
6	Totals	361,440	402,418	468,383	595,041
7	Grand total generation (3+6)	878,663	930,202	1,065,544	1,152,447
8	Imports from the United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7+8+9)	878,663	930,202	1,065,544	1,152,447
	Demand for Electric Energy:				
11	Residential and farm	127,666	147,522	168,349	189,712
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	367,384	374,235	444,321	472,483
19	Mining consumption	153,675	149,463	159,995	173,411
20	Total industrial consumption (18 + 19)	521,059	523,698	604,316	645,894
	Commercial and other consumption:				
21	At power rates	48,442	70,494	81,063	100,528
22	At commercial rates	64,534	72,368	76,959	85,315
23	Street lighting	7,439	8,268	8,527	8,796
24	Totals (21+22+23)	120,415	151,130	166,549	194,639
25	Line loss, free service and unaccounted for	104,106	102,118	120,101	115,560
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11+18+19+24+25)	873,246	924,468	1,059,315	1,145,805
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	5,417	5,734	6,229	6,642
30	Total demand for electric energy (27+28+29)	878,663	930,202	1,065,544	1,152,447

TABLE 16. Supply and Demand of Electric Energy 1949-60 — Continued
Nova Scotia

1953	1954	1955	1956	1957	1958	1959	1960	No.
thousands of kilowatt-hours								
469,948	526,928	499,038	554,685	498,183	606,264	640,255	618,855	1
90,167	67,648	40,937	37,676	28,310	39,336	39,195	36,309	2
560,115	594,576	539,975	592,361	526,493	645,600	679,450	655,164	3
505,560	561,116	697,403	761,004	857,135	793,202	852,688	1,042,399	4
160,811	137,743	137,560	127,863	150,209	123,940	117,904	116,370	5
666,371	698,859	834,963	888,867	1,007,344	917,142	970,592	1,158,769	6
1,226,486	1,293,435	1,374,938	1,481,228	1,533,837	1,562,742	1,650,042	1,813,933	7
—	—	—	—	—	—	—	—	8
—	—	—	—	—	—	—	588	9
1,226,486	1,293,435	1,374,938	1,481,228	1,533,837	1,562,742	1,650,042	1,814,521	10
222,194	248,343	281,846	319,243	356,000	385,465	434,396	461,926	11
								12
								13
								14
								15
								16
								17
498,226	485,350	497,592	545,385	528,384	479,427	508,055	591,709	18
177,775	183,701	184,044	184,646	171,895	175,908	156,993	152,588	19
676,001	669,051	681,636	730,031	700,279	655,335	665,048	744,297	20
109,302	121,391	143,724	154,563	162,897	177,123	196,787	174,408	21
89,784	96,352	102,862	109,906	121,300	126,006	131,068	138,477	22
9,065	9,348	10,054	10,322	10,046	12,111	12,715	14,261	23
208,151	227,091	256,640	274,791	294,243	315,240	340,570	327,146	24
113,230	141,714	146,905	156,539	171,677	148,761	150,177	205,225	25
—	—	—	— 7,610	2,780	47,992	45,867	— 5,261	26
1,219,576	1,286,199	1,367,027	1,472,994	1,524,979	1,552,793	1,636,058	1,733,333	27
—	—	—	—	—	—	—	—	28
6,910	7,236	7,911	8,234	8,858	9,949	13,984	81,188	29
226,486	1,293,435	1,374,938	1,481,228	1,533,837	1,562,742	1,650,042	1,814,521	30

TABLE 16. Supply and Demand of Electric Energy 1949-60 -- Continued
New Brunswick

No.		1949	1950	1951	1952
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	438,472	472,271	508,832	446,439
2	Industries	68,929	69,039	69,164	69,858
3	Totals	507,401	541,310	577,996	516,297
	Thermal-generation (net):				
4	Utilities	196,396	206,830	229,817	290,013
5	Industries	235,251	283,994	279,369	283,872
6	Totals	431,647	490,824	509,186	573,885
7	Grand total generation (3 + 6)	939,048	1,032,134	1,087,182	1,090,182
8	Imports from United States	19	17	2	3
9	Imports from other provinces	13,773	14,651	15,776	16,981
10	Total supply of electric energy (7 + 8 + 9)	952,840	1,046,802	1,103,960	1,107,166
	Demand for electric energy:				
11	Residential and farm	87,846	97,752	110,734	122,859
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total Manufacturing consumption (12 to 17)	702,076	767,642	798,946	772,225
19	Mining consumption	2,820	5,470	8,431	11,605
20	Total industrial consumption (18 + 19)	704,896	773,112	807,377	783,830
	Commercial and other consumption:				
21	At power rates	22,848	17,818	14,258	31,494
22	At commercial rates	51,408	54,795	55,750	61,089
23	Street lighting	6,846	7,506	7,975	8,787
24	Total (21 + 22 + 23)	81,102	80,119	77,983	101,370
25	Line loss, free service and unaccounted for	33,128	49,658	57,305	57,648
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25) ..	906,972	1,000,641	1,053,399	1,065,707
28	Total exports to United States	45,868	46,128	49,561	41,459
29	Total exports to other provinces	—	33	—	—
30	Total demand for electric energy (27 + 28 + 29)	952,840	1,046,802	1,102,960	1,107,166

TABLE 16. Supply and Demand of Electric Energy 1949-60 — Continued
New Brunswick

1953	1954	1955	1956	1957	1958	1959	1960	No.
thousands of kilowatt-hours								
483,846	654,555	497,578	454,448	634,050	954,222	1,050,563	751,809	1
74,412	66,247	53,921	68,490	72,414	68,798	65,272	64,296	2
558,258	720,802	551,499	522,938	706,464	1,023,020	1,115,835	816,105	3
234,104	220,566	343,998	441,622	348,883	243,428	255,353	421,131	4
327,946	323,380	396,945	398,193	349,414	346,234	452,285	501,142	5
562,050	543,946	740,943	839,815	698,297	589,662	707,638	922,273	6
1,120,308	1,264,748	1,292,442	1,362,753	1,404,761	1,612,682	1,823,473	1,738,378	7
3	3	3	11,451	4,525	591	151	14,724	8
15,001	17,275	18,470	21,621	23,156	25,851	27,986	96,500	9
1,135,312	1,282,026	1,310,915	1,395,825	1,432,442	1,639,124	1,851,610	1,849,602	10
136,213	153,212	171,052	195,768	225,210	253,273	300,825	328,107	
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790,339	842,120	879,410	886,719	858,471	890,600	968,689	1,061,348	18
12,064	14,602	21,313	22,273	39,516	23,951	19,515	21,023	19
802,403	856,722	900,723	908,992	897,987	914,551	988,204	1,082,371	20
35,507	46,513	63,673	86,514	52,810	147,329	170,922	39,755	21
65,246	71,734	78,425	84,712	91,425	97,745	105,702	110,215	22
9,382	9,599	9,698	9,901	10,910	12,053	14,262	15,717	23
110,135	127,846	151,796	181,127	155,145	257,127	290,886	165,687	24
48,031	81,133	54,455	90,548	108,117	87,294	117,337	128,646	25
—	—	—	— 5,624	— 2,666	— 15,910	— 4,274	— 20,906	26
1,096,782	1,218,913	1,278,026	1,370,811	1,383,793	1,496,335	1,692,978	1,683,905	27
37,975	62,333	32,889	25,014	48,649	142,789	158,621	165,109	28
555	780	—	—	—	—	11	588	29
1,135,312	1,282,026	1,310,915	1,395,825	1,432,442	1,639,124	1,851,610	1,849,602	30

TABLE 16. Supply and Demand of Electric Energy 1949-60 — Continued
Quebec

No.		1949	1950	1951	1952
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	18,943,806	20,555,800	22,994,531	24,847,058
2	Industries	7,681,971	7,792,295	7,753,001	8,308,774
3	Totals	26,625,777	28,348,095	30,747,532	33,155,832
	Thermal-generation (net):				
4	Utilities	7,774	8,810	11,666	14,296
5	Industries	108,107	108,599	111,702	119,649
6	Totals	115,881	117,409	123,368	133,945
7	Grand total generation (3 + 6)	26,741,658	28,465,504	30,870,900	33,289,777
8	Imports from United States	369	383	215	500
9	Imports from other provinces	6,011	19,310	6,538	8,678
10	Total supply of electric energy (7 + 8 + 9)	26,748,038	28,485,197	30,877,653	33,298,955
	Demand for electric energy:				
11	Residential and farm	999,216	1,199,887	1,434,277	1,680,591
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	16,579,258	17,500,178	19,535,828	21,215,383
19	Mining consumption	566,874	668,817	730,627	801,467
20	Total industrial consumption (18 + 19)	17,146,132	18,168,995	20,266,455	22,016,850
	Commercial and other consumption:				
21	At power rates	820,067	812,533	720,340	1,076,218
22	At commercial rates	643,157	712,633	786,458	860,104
23	Street lighting	53,253	58,886	63,428	70,157
24	Totals (21 + 22 + 23)	1,516,477	1,584,052	1,570,226	2,006,479
25	Line loss, free service and unaccounted for	1,555,835	1,637,608	1,889,932	1,918,351
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25) ..	21,217,660	22,590,542	25,160,890	27,622,271
28	Total exports to United States	650,974	641,772	646,993	664,978
29	Total exports to other provinces	4,879,404	5,252,883	5,069,770	5,011,706
30	Total demand for electric energy (27 + 28 + 29)	26,748,038	28,485,197	30,877,653	33,298,955

**TABLE 16. Supply and Demand of Electric Energy 1949 - 60 — Continued
Quebec**

1953	1954	1955	1956	1957	1958	1959	1960	No.
thousands of kilowatt-hours								
24,478,750	24,728,478	25,854,181	27,250,134	28,529,995	32,028,178	33,262,401	36,155,183	1
10,355,955	10,690,240	10,886,566	10,288,906	9,375,819	11,389,834	11,358,742	13,954,088	2
34,834,705	35,418,718	36,740,747	37,539,040	37,905,814	43,418,062	44,621,143	50,109,271	3
21,714	15,644	27,250	19,345	7,927	8,604	29,532	33,183	4
111,382	126,823	163,584	202,204	217,686	208,902	203,251	290,447	5
133,096	142,467	190,834	221,549	225,613	217,506	232,783	323,630	6
34,967,801	35,561,185	36,931,581	37,760,589	38,131,427	43,635,568	44,853,926	50,432,901	7
720	539	1,034	306	710	833	852	569	8
9,421	10,621	10,574	57,306	66,400	51,318	57,436	102,900	9
34,977,942	35,572,345	36,943,189	37,818,201	38,198,537	43,687,719	44,912,214	50,536,370	10
1,954,815	2,342,693	2,689,760	3,109,448	3,582,204	4,017,294	4,553,174	5,000,588	11
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22,639,243	23,080,637	23,649,068	23,145,105	23,002,859	26,544,195	26,745,453	31,488,050	18
779,976	848,889	1,017,490	1,159,422	1,095,977	1,094,105	1,226,912	1,277,748	19
23,419,219	23,929,526	24,666,558	24,304,527	24,098,836	27,638,300	27,972,370	32,765,798	20
1,017,879	839,042	1,169,080	1,147,237	812,945	781,964	1,184,618	899,084	21
981,760	1,061,791	1,196,118	1,291,314	1,420,404	1,507,370	1,669,531	1,799,100	22
77,590	85,450	97,273	104,929	115,800	123,636	116,183	149,959	23
2,077,229	1,986,283	2,462,471	2,543,480	2,349,149	2,412,970	2,970,332	2,848,143	24
2,082,658	2,161,346	2,308,301	2,543,806	2,591,911	2,856,401	2,983,863	3,414,857	25
—	—	—	36,133	83,817	229,529	184,414	— 27,083	26
29,533,921	30,419,848	32,127,090	32,537,394	32,705,917	37,154,494	38,664,153	44,002,303	27
677,975	659,232	665,519	673,620	549,040	526,336	555,358	569,074	28
4,766,046	4,493,265	4,150,580	4,607,187	4,943,580	6,006,889	5,692,703	5,964,993	29
34,977,942	35,572,345	36,943,189	37,818,201	38,198,537	43,687,719	44,912,214	50,536,370	30

**TABLE 16. Supply and Demand of Electric Energy 1949 - 60 — Continued
Ontario**

No.		thousands of kilowatt-hours			
		1949	1950	1951	1952
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	11, 142, 667	12, 458, 421	15, 726, 748	16, 722, 830
2	Industries	1, 327, 708	1, 360, 482	1, 380, 329	1, 383, 343
3	Totals	12, 470, 375	13, 818, 903	17, 107, 077	18, 106, 173
	Thermal-generation (net):				
4	Utilities	24, 488	110, 753	112, 494	419, 025
5	Industries	637, 606	641, 603	721, 747	706, 891
6	Totals	662, 094	752, 356	834, 241	1, 125, 916
7	Grand total generation (3 + 6)	13, 132, 469	14, 571, 259	17, 941, 318	19, 232, 089
8	Imports from United States	3, 968	—	—	—
9	Imports from other provinces	4, 871, 048	5, 243, 966	5, 060, 223	5, 001, 367
10	Total supply of electric energy (7 + 8 + 9)	18, 007, 485	19, 815, 225	23, 001, 541	24, 233, 456
	Demand for electric energy:				
11	Residential and farm	3, 076, 688	3, 662, 862	4, 148, 661	4, 639, 536
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	8, 750, 004	9, 455, 919	10, 819, 447	10, 978, 485
19	Mining consumption	845, 987	941, 370	1, 184, 449	1, 159, 423
20	Total industrial consumption (18 + 19)	9, 595, 991	10, 397, 289	12, 003, 896	12, 137, 908
	Commercial and other consumption:				
21	At power rates	1, 024, 707	931, 327	944, 302	1, 167, 365
22	At commercial rates	1, 033, 883	1, 251, 450	1, 446, 862	1, 602, 981
23	Street lighting	135, 988	142, 999	149, 186	164, 548
24	Totals (21 + 22 + 23)	2, 194, 578	2, 325, 776	2, 540, 350	2, 934, 894
25	Line loss, free service and unaccounted for	2, 168, 288	2, 364, 007	2, 811, 382	2, 935, 719
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25)	17, 035, 545	18, 749, 934	21, 504, 289	22, 648, 057
28	Total exports to United States	965, 929	1, 046, 014	1, 490, 714	1, 576, 721
29	Total exports to other provinces	6, 011	19, 277	6, 538	8, 678
30	Total demand for electric energy (27 + 28 + 29)	18, 007, 485	19, 815, 225	23, 001, 541	24, 233, 456

TABLE 16. Supply and Demand of Electric Energy 1949-60 — Continued
Ontario

1953	1954	1955	1956	1957	1958	1959	1960	No.
thousands of kilowatt-hours								
16,323,488	18,994,868	23,754,155	25,971,079	26,535,041	26,583,550	30,972,971	33,454,943	1
1,576,649	1,678,798	1,376,480	1,507,118	1,423,996	1,429,023	1,413,849	1,493,568	2
17,900,137	20,673,666	25,130,635	27,478,197	27,959,037	28,012,573	32,386,820	34,948,511	3
1,773,947	962,697	426,131	938,168	1,464,648	607,039	347,909	181,862	4
683,087	666,058	712,251	640,577	696,144	633,103	648,776	684,691	5
2,457,034	1,628,755	1,138,382	1,578,745	2,160,792	1,240,142	996,685	866,553	6
20,357,171	22,302,421	26,269,017	29,056,942	30,119,829	29,252,715	33,383,505	35,815,064	7
174,477	113,039	133,494	174,435	285,472	226,510	481,462	287,436	8
4,757,955	4,483,226	4,140,021	4,709,305	5,071,120	6,024,335	5,804,206	6,044,706	9
25,289,603	26,898,686	30,542,532	33,940,682	35,476,421	35,503,560	39,669,173	42,147,206	10
5,166,056	5,722,569	6,360,522	7,045,900	7,594,393	8,189,413	8,780,654	9,318,141	11
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11,331,932	11,133,582	11,994,908	12,844,362	13,422,568	13,310,293	15,012,867	15,691,488	18
1,133,795	1,196,133	1,242,794	1,634,423	1,907,547	2,299,372	2,300,703	2,286,664	19
12,465,727	12,329,715	13,237,702	14,478,785	15,330,115	15,609,665	17,313,570	17,978,152	20
1,188,280	1,597,660	1,688,961	1,643,276	1,753,977	1,437,461	1,892,136	1,982,976	21
1,803,444	1,931,122	2,145,430	2,418,518	2,609,398	2,833,584	3,067,538	3,365,929	22
180,582	192,095	200,000	212,535	228,684	244,962	264,160	281,023	23
3,172,306	3,720,877	4,034,391	4,274,329	4,592,059	4,516,007	5,223,834	5,629,928	24
3,077,341	3,269,025	3,311,105	3,781,393	3,750,744	3,813,302	4,346,858	4,382,694	25
—	—	—	— 51,042	— 36,431	— 79,431	— 52,352	— 151,808	26
23,881,430	25,042,186	26,943,720	29,529,365	31,230,880	32,048,956	35,612,564	37,157,107	27
1,399,307	1,846,659	3,588,238	4,385,356	4,222,225	3,404,051	3,865,099	4,759,717	28
8,866	9,841	10,574	25,961	23,316	50,553	191,510	230,382	29
25,289,603	26,898,686	30,542,532	33,940,682	35,476,421	35,503,560	39,669,173	42,147,206	30

TABLE 16. Supply and Demand of Electric Energy 1949-60 — Continued
Manitoba

No.		1949	1950	1951	1952
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	2,156,401	2,445,263	2,560,322	2,694,924
2	Industries	984	1,050	875	1,376
3	Totals	2,157,385	2,446,313	2,561,197	2,696,300
	Thermal-generation (net):				
4	Utilities	3,597	4,120	4,215	4,322
5	Industries	6,834	5,632	6,689	4,632
6	Totals	10,431	9,752	10,904	8,954
7	Grand total generation (3 + 6)	2,167,816	2,456,065	2,572,101	2,705,254
8	Imports from United States	484	528	664	723
9	Imports from other provinces	465,204	474,458	483,608	501,723
10	Total supply of electric energy (7 + 8 + 9)	2,633,504	2,931,051	3,056,373	3,207,700
	Demand for electric energy:				
11	Residential and farm	616,272	689,335	759,478	825,457
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	784,376	875,534	92,286	1,006,346
19	Mining consumption	92,362	134,297	120,816	149,834
20	Total industrial consumption (18 + 19)	876,738	1,009,831	1,053,102	1,156,180
	Commercial and other consumption:				
21	At power rates	370,089	456,182	406,874	411,033
22	At commercial rates	170,067	185,802	198,226	216,755
23	Street lighting	26,505	26,838	28,005	28,498
24	Totals (21 + 22 + 23)	566,661	668,822	633,105	656,286
25	Line loss, free service and unaccounted for	265,021	295,275	317,387	301,361
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25) ..	2,324,692	2,663,263	2,763,072	2,939,234
28	Total exports to United States	—	1	6	6
29	Total exports to other provinces ¹	308,812	267,787	293,295	268,410
30	Total demand for electric energy (27 + 28 + 29)	2,633,504	2,931,051	3,056,373	3,207,700

¹ Includes re-exports to Saskatchewan

TABLE 16. Supply and Demand of Electric Energy 1949 - 60 — Continued
Manitoba

1953	1954	1955	1956	1957	1958	1959	1960	No.
thousands of kilowatt - hours								
2,750,270	3,004,268	3,099,880	3,330,439	3,331,922	3,080,140	3,540,427	3,614,725	1
7,537	22,557	24,928	15,955	18,474	33,026	40,000	45,195	2
2,757,807	3,026,825	3,124,808	3,346,394	3,350,396	3,113,166	3,580,427	3,659,920	3
3,669	6,455	4,056	3,249	9,099	133,878	57,996	75,761	4
6,655	8,361	8,225	15,661	17,894	5,976	4,820	6,230	5
10,324	14,816	12,281	18,910	26,993	139,854	62,816	81,991	6
2,768,131	3,041,641	3,137,089	3,365,304	3,377,389	3,253,020	3,643,243	3,741,911	7
804	868	993	817	—	—	—	—	8
508,517	516,115	524,890	555,617	505,855	540,238	728,451	789,259	9
3,277,452	3,558,624	3,662,972	3,921,738	3,883,244	3,793,258	4,371,694	4,531,170	10
898,876	1,003,027	1,079,155	1,172,579	1,247,563	1,337,932	1,388,330	1,454,613	11
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1,005,029	1,036,504	1,066,054	1,138,891	1,016,260	979,199	1,177,449	1,248,421	18
128,345	143,433	168,078	147,384	150,394	125,725	167,849	206,729	19
1,133,374	1,179,937	1,234,132	1,286,275	1,166,654	1,104,924	1,345,298	1,455,150	20
322,447	394,652	254,720	290,720	125,461	87,385	110,406	60,467	21
230,186	250,374	264,359	275,652	428,508	456,589	488,694	527,969	22
29,116	29,617	29,888	31,952	33,943	35,876	39,802	43,382	23
581,749	674,643	548,967	598,324	587,912	579,850	638,902	631,818	24
317,023	346,325	460,793	401,298	387,540	395,804	512,991	573,789	25
—	—	—	— 8,373	— 11,214	— 820	— 1,892	— 94,390	26
2,931,022	3,203,932	3,323,047	3,450,103	3,378,455	3,417,690	3,883,629	4,020,980	27
6	6	6	8	22	28	36	34	28
346,424	354,686	339,919	471,627	504,767	375,540	488,029	510,156	29
3,277,452	3,558,624	3,662,972	3,921,738	3,883,244	3,793,258	4,371,694	4,531,170	30

TABLE 16 . Supply and Demand of Electric Energy 1949-60 — Continued
Saskatchewan

No.		1949	1950	1951	1952
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	491,571	500,720	516,142	544,447
2	Industries	845	946	1,760	1,738
3	Totals	492,416	501,666	517,902	546,185
	Thermal-generation (net):				
4	Utilities	366,517	402,424	462,631	534,862
5	Industries	440	2,330	19,526	27,789
6	Totals	366,957	404,754	482,157	562,651
7	Grand total generation (3+6)	859,373	906,420	1,000,059	1,108,836
8	Imports from United States	82	87	99	104
9	Imports from other provinces ¹	308,812	267,787	293,295	268,410
10	Total supply of electric energy (7+8+9)	1,168,267	1,174,294	1,293,453	1,377,350
	Demand for electric energy:				
11	Residential and farm	105,522	128,221	152,010	184,974
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	220,813	207,839	260,945	309,487
19	Mining consumption	157,411	136,833	136,129	88,049
20	Total industrial consumption (18+19)	378,224	344,672	397,074	397,536
	Commercial and other consumption:				
21	At power rates	66,936	68,815	76,322	71,439
22	At commercial rates	66,905	76,114	84,000	96,839
23	Street lighting	9,708	9,993	11,058	11,592
24	Totals (21+22+23)	143,549	154,922	171,380	179,870
25	Line loss, free service and unaccounted for	75,768	72,021	89,381	113,247
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11+18+19+24+25)	703,063	699,836	809,845	875,627
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	465,204	474,458	483,608	501,723
30	Total demand for electric energy (27+28+29)	1,168,267	1,174,294	1,293,453	1,377,350

¹ Includes reimports.

TABLE 16 . Supply and Demand of Electric Energy 1949-60 — Continued
Saskatchewan

1953	1954	1955	1956	1957	1958	1959	1960	No.
thousands of kilowatt-hours								
553,459	559,300	569,401	555,466	546,148	548,272	562,072	585,888	1
1,170	4,186	—	15,772	19,872	20,208	25,294	35,941	2
554,629	563,486	569,401	571,238	566,020	568,480	587,366	621,829	3
620,672	732,979	866,566	995,520	1,132,269	1,261,298	1,436,325	1,596,454	4
40,353	40,995	38,263	69,504	103,598	126,383	117,389	64,803	5
661,025	773,974	940,142	1,065,024	1,235,867	1,387,681	1,553,714	1,661,257	6
1,215,654	1,337,460	1,509,543	1,636,262	1,801,887	1,956,161	2,141,080	2,283,086	7
123	182	232	258	316	365	401	414	8
346,424	354,686	339,919	356,122	354,425	346,397	367,560	417,751	9
1,562,201	1,692,328	1,849,694	1,992,642	2,156,628	2,302,923	2,508,981	2,701,251	10
226,507	282,542	327,369	400,215	470,075	515,158	600,526	651,391	11
								12
								13
								14
								15
								16
								17
381,941	415,115	437,993	447,746	462,924	463,001	502,914	580,929	18
110,835	114,160	127,400	211,523	219,398	250,036	273,391	242,710	19
492,776	530,275	565,393	659,269	682,322	713,037	776,305	823,639	20
78,938	83,781	103,696	88,054	121,051	164,352	89,938	123,110	21
106,340	126,999	133,891	158,358	166,344	163,257	277,904	290,093	22
13,104	15,187	15,772	19,291	19,725	21,006	20,536	20,469	23
198,382	225,967	253,359	265,703	307,120	348,615	388,378	433,672	24
136,019	137,429	178,683	114,718	195,400	228,263	195,262	247,156	25
—	—	—	— 2,729	— 2,608	— 6,179	— 4,562	— 31,670	26
1,053,684	1,176,213	1,324,804	1,437,176	1,652,309	1,798,894	1,955,909	2,124,188	27
—	—	—	—	—	—	—	—	28
508,517	516,115	524,890	555,466	504,319	504,029	553,072	577,063	29
1,562,201	1,692,328	1,849,694	1,992,642	2,156,628	2,302,923	2,508,981	2,701,251	30

**TABLE 16. Supply and Demand of Electric Energy 1949-60 — Continued
Alberta**

No.		1949	1950	1951	1952
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	362,960	340,884	501,027	760,296
2	Industries	—	—	—	—
3	Totals	362,960	340,884	501,027	760,296
	Thermal-generation (net):				
4	Utilities	437,769	528,180	495,918	413,706
5	Industries	28,046	30,009	28,460	30,093
6	Totals	465,815	558,189	524,378	443,799
7	Grand total generation (3+6)	828,775	899,073	1,025,405	1,204,095
8	Imports from the United States	221	226	299	345
9	Imports from other provinces	9,992	16,430	10,932	3,521
10	Total supply of electric energy (7+8+9)	838,988	915,729	1,036,636	1,207,961
	Demand for electric energy:				
11	Residential and farm	130,328	164,205	199,287	233,236
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	299,093	303,592	334,373	364,851
19	Mining consumption	72,767	73,229	85,545	92,653
20	Total industrial consumption (18 + 19)	371,860	376,821	419,918	457,504
	Commercial and other consumption:				
21	At power rates	102,214	128,165	141,719	179,992
22	At commercial rates	104,731	120,235	137,446	154,751
23	Street lighting	13,340	13,830	16,107	16,811
24	Totals (21+22+23)	220,285	262,230	295,272	351,554
25	Lines loss, free service and unaccounted for	116,515	112,473	118,609	159,306
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11+18 + 19 + 24 + 25)	838,988	915,729	1,033,086	1,201,600
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	—	3,550	6,361
30	Total demand for electric energy (27+28+29)	838,988	915,729	1,036,636	1,207,961

**TABLE 16. Supply and Demand of Electric Energy 1949-60 — Continued
Alberta**

1953	1954	1955	1956	1957	1958	1959	1960	No.
thousands of kilowatt-hours								
796,106	857,150	935,943	979,157	807,253	990,457	842,259	886,595	1
—	—	—	—	—	—	—	—	2
796,106	857,150	935,943	979,157	807,253	990,457	842,259	886,595	3
543,821	641,335	793,011	1,041,343	1,442,160	1,483,227	1,987,787	2,239,686	4
42,509	59,023	80,167	122,973	182,489	254,071	267,420	317,127	5
586,330	700,358	873,178	1,164,316	1,624,649	1,737,298	2,255,207	2,556,813	6
1,382,436	1,557,508	1,809,121	2,143,473	2,431,902	2,727,755	3,097,466	3,443,408	7
345	—	573	—	573	604	617	633	8
—	15,970	31,803	28,512	24,297	25,520	34,287	33,885	9
1,382,781	1,573,478	1,841,497	2,171,985	2,456,772	2,753,879	3,132,370	3,477,926	10
292,152	355,643	418,970	501,260	564,048	646,048	787,492	867,319	11
424,786	469,292	542,453	639,347	786,001	870,053	920,010	994,164	18
91,572	82,300	86,718	105,712	109,222	102,944	130,380	171,398	19
516,358	551,592	629,171	745,059	895,223	972,997	1,050,390	1,165,562	20
226,279	259,441	314,442	376,553	436,366	511,040	540,839	608,109	21
167,527	189,067	215,617	245,244	276,551	299,204	340,339	380,560	22
17,805	18,476	22,992	25,585	29,853	38,393	47,696	53,733	23
411,611	466,984	553,051	647,382	742,770	848,637	928,874	1,042,402	24
172,120	199,259	240,305	255,191	260,902	290,851	350,373	423,741	25
—	—	—	23,093	— 9,310	— 10,940	10,264	— 26,742	26
1,382,241	1,573,478	1,841,497	2,171,985	2,453,633	2,747,593	3,127,393	3,472,282	27
—	—	—	—	—	—	—	—	28
540	—	—	—	3,139	6,286	4,977	5,644	29
1,382,781	1,573,478	1,841,497	2,171,985	2,456,772	2,753,879	3,132,370	3,477,926	30

TABLE 16. Supply and Demand of Electric Energy 1949 - 60 — Continued
British Columbia

		1949	1950	1951	1952
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	1,942,650	2,389,310	2,592,052	2,835,736
2	Industries	1,834,731	2,087,976	1,943,994	1,937,981
3	Totals	3,777,381	4,477,286	4,536,046	4,773,717
	Thermal-generation (net):				
4	Utilities	123,442	106,064	92,750	119,162
5	Industries	299,272	337,148	405,703	489,640
6	Totals	422,714	443,212	498,453	608,802
7	Grand total generation (3 + 6)	4,200,095	4,920,498	5,034,499	5,382,519
8	Imports from the United States	26,062	1,350	7,677	18,310
9	Imports from other provinces	—	—	3,550	6,361
10	Total supply of electric energy (7 + 8 + 9)	4,226,157	4,921,848	5,045,726	5,407,190
	Demand for electric energy:				
11	Residential and farm	491,897	607,427	690,904	788,168
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	2,517,532	2,820,059	2,861,704	2,974,929
19	Mining consumption	283,578	315,213	277,412	327,924
20	Total industrial consumption (18 + 19)	2,801,110	3,135,272	3,139,116	3,302,853
	Commercial and other consumption:				
21	At power rates	226,932	290,382	300,197	320,547
22	At commercial rates	262,435	309,356	337,972	374,645
23	Street lighting	28,970	31,771	32,930	34,421
24	Totals (21 + 22 + 23)	518,337	631,509	671,099	729,613
25	Line loss, free service and unaccounted for	310,840	339,258	345,427	372,989
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25)	4,122,184	4,713,466	4,846,546	5,193,623
28	Total exports to United States	93,981	191,952	188,248	210,046
29	Total exports to other provinces	9,992	16,430	10,932	3,521
30	Total demand for electric energy (27 + 28 + 29)	4,226,157	4,921,848	5,045,726	5,407,190

TABLE 16. Supply and Demand of Electric Energy 1949 - 60 — Continued
British Columbia

1953	1954	1955	1956	1957	1958	1959	1960	N ^o
thousands of kilowatt — hours								
3,252,495	3,354,547	3,797,185	4,074,749	4,118,052	5,308,059	5,781,342	5,985,887	1
2,092,634	2,876,739	3,952,138	5,275,809	5,998,284	5,946,684	5,919,897	6,614,607	2
5,345,129	6,231,286	7,749,323	9,350,558	10,116,336	11,254,743	11,701,239	12,600,494	3
87,998	92,073	126,123	147,084	147,422	172,629	195,391	219,158	4
534,182	520,541	540,857	573,086	460,279	455,331	476,587	588,731	5
622,180	612,614	666,980	720,170	607,701	627,960	671,978	807,889	6
5,967,309	6,843,900	8,416,303	10,070,728	10,724,037	11,882,703	12,373,217	13,408,383	7
4,165	4,393	22,233	51,906	541,378	16,159	28,519	53,102	8
540	—	—	—	3,139	2,081	1,803	3,024	9
5,972,014	6,848,293	8,438,536	10,122,634	11,268,554	11,900,943	12,403,539	13,464,509	10
902,341	1,063,647	1,256,002	1,445,059	1,657,619	1,775,996	1,963,660	2,102,048	11
3,279,168	4,005,886	5,162,816	6,497,356	7,278,259	7,753,154	8,134,543	9,048,364	18
328,842	383,618	398,147	408,014	420,969	342,878	312,097	340,675	19
3,608,010	4,389,504	5,560,963	6,905,370	7,699,228	8,096,032	8,446,640	9,389,039	20
275,662	325,118	354,597	321,351	208,764	247,973	294,944	270,991	21
399,621	443,823	510,228	556,576	798,711	867,938	718,117	791,403	22
38,346	41,826	44,592	54,296	57,218	61,353	63,485	71,680	23
713,629	810,767	909,417	932,223	1,064,693	1,177,264	1,076,546	1,134,074	24
439,267	418,327	533,543	767,651	789,310	830,092	841,531	803,810	25
—	—	—	24,148	20,863	— 16,675	25,142	— 16,265	26
5,663,247	6,682,245	8,259,925	10,074,451	11,231,713	11,862,709	12,353,519	13,412,706	27
308,767	150,078	146,808	19,671	12,544	12,714	13,930	17,918	28
—	15,970	31,803	28,512	24,297	25,520	34,287	33,885	29
5,972,014	6,848,293	8,438,536	10,122,634	11,268,554	11,900,943	12,401,736	13,464,509	30

TABLE 16. Supply and Demand of Electric Energy 1947-60 — Concluded
Yukon and Northwest Territories

No.		1949	1950	1951	1952
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	15,827	26,731	30,762	38,008
2	Industries	68,170	46,544	47,011	51,361
3	Totals	83,997	73,275	77,773	89,369
	Thermal-generation (net):				
4	Utilities	1,226	1,012	1,275	1,310
5	Industries	10,575	10,543	10,327	10,716
6	Totals	11,801	11,555	11,602	12,026
7	Grand total generation (3+6)	95,798	84,830	89,375	101,395
8	Imports from United States	—	—	—	—
9	Imports from other Provinces	—	—	—	—
10	Total supply of electric energy (7+8+9)	95,798	84,830	89,375	101,395
	Demand for electric energy:				
11	Residential and farm	2,073	2,515	2,677	3,118
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	608	572	370	799
19	Mining consumption	71,963	59,164	57,877	82,015
20	Total industrial consumption (18+19)	72,571	59,736	58,247	82,814
	Commercial and other consumption:				
21	At power rates	14,643	17,329	21,816	7,994
22	At commercial rates	1,507	1,678	2,147	2,915
23	Street lighting	198	150	248	193
24	Total (21+22+23)	16,348	19,157	24,211	11,102
25	Line loss, free service and unaccounted for	4,806	3,422	4,240	4,361
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11+18+19+24+25)	95,798	84,830	89,375	101,395
27	Total exports to United States	—	—	—	—
28	Total exports to other provinces	—	—	—	—
29	Total demand for electric energy (27+28+29)	95,798	84,830	89,375	101,395

TABLE 16. Supply and Demand of Electric Energy 1949-60 -- Concluded
Yukon and Northwest Territories

1953	1954	1955	1956	1957	1958	1959	1960	No.
thousands of kilowatt-hours								
52,622	54,958	60,826	62,283	69,162	88,090	105,270	111,734	1
46,563	48,445	54,771	52,388	52,479	53,629	48,855	48,058	2
99,185	103,403	115,597	114,671	121,641	141,719	154,125	159,792	3
1,441	1,892	3,259	1,873	4,247	7,491	11,692	17,984	4
10,860	10,887	12,482	12,937	31,101	18,827	19,009	11,343	5
12,301	12,779	15,741	14,810	35,348	26,318	30,701	29,327	6
111,486	116,182	131,338	129,481	156,989	168,037	184,826	189,119	7
—	—	—	—	—	—	—	—	8
—	—	—	—	—	—	—	—	9
111,486	116,182	131,338	129,481	156,989	168,037	184,826	189,119	10
3,554	7,695	9,339	8,646	7,268	8,536	10,201	13,270	11
								12
								13
								14
								15
								16
								17
1,147	1,441	1,410	1,421	1,789	1,986	2,479	2,590	18
90,806	95,740	108,113	104,002	116,005	127,086	110,879	110,552	19
91,953	97,181	109,523	105,423	117,794	129,072	113,358	113,142	20
5,837	6,353	6,836	2,399	1,296	8,456	38,369	35,626	21
3,865	1,938	2,301	2,682	8,138	5,817	14,082	14,139	22
200	224	212	229	192	214	198	262	23
9,902	8,515	9,349	5,310	9,626	14,487	52,649	50,027	24
6,077	2,791	3,127	9,031	2,448	12,392	11,589	9,226	25
—	—	—	1,071	19,853	3,550	— 2,971	3,454	26
111,486	116,182	131,338	129,481	156,989	168,037	184,826	189,119	27
—	—	—	—	—	—	—	—	28
—	—	—	—	—	—	—	—	29
111,486	116,182	131,338	129,481	156,989	168,037	184,826	189,119	30

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

^r revised figures.

INTRODUCTION

Statistics presented in this report fall into two main categories: statistics based on the combined reports of electric power utilities and industrial establishments, and statistics based on data received from power utilities only. Utilities are defined as companies, commissions, municipalities or individuals whose primary function is to sell most of the electric energy which they have either generated or purchased. They are referred to as the electric utility industry. Industrial establishments are defined, for the purpose of this report, as companies or individuals which generate electricity mainly for their own use. Statistics based on the combined reports of both utilities and industrial establishments include generating capacity, production and disposal of electric energy, revenue received from the sale of electricity, and customers. Statistics applicable only to the electric power utility industry include pole line, circuit mileage, fuel consumption, employees, wages and salaries and other financial data.

The current series of electric power statistics dates back only to 1956. Earlier reports entitled "Central Electric Stations" were concerned solely with the electric utility industry and hence excluded statistics relating to energy produced by industrial establishments for own use. Data relating to energy sold by industrial establishments was, however, included.

In the revised series, all firms are classed as either utilities or industrial establishments and separate statistics are compiled for each group. Energy disposed of by industrial establishments is then combined with that disposed of by utilities in order to present statistics roughly comparable with those compiled for the electric utility industry in earlier years. One major difference is that many blocks of energy formerly classed as sales are now treated as produced for own use, since the transfer of energy was found to be between plants within the same organization.

In 1956, because of the difficulty of separating line losses of industrial producers into losses relating to sales and losses relating to energy produced for own use, total industrial losses were presented under "Disposal of Energy" in Table 4. Commencing with 1957, losses associated with energy generated for own use are shown as a separate item under "Energy Made Available", Table 3.

Total installed generating capacity in Canada at the end of 1962 amounted to 24,967,000 kilowatts, 3.6 per cent more than the total of 24,091,368 kilowatts in 1961. Utilities accounted for 20,382,963 kilowatts compared with 19,492,142 kilowatts in 1961, while industry had a capacity of 4,584,037 kilowatts and 4,616,253 kilowatts in 1962 and 1961 respectively. Hydraulic installations in 1962 accounted for 77.5 per cent of the total and thermal plants, 22.5 per cent, compared with 78.9 and 21.1

in 1961. New thermal installations in 1962 exceeded new hydraulic installations for the second year in succession reflecting the shortage of hydro-electric sites near large load centres.

Quebec had the largest generating capacity at 9,320,325 kilowatts or 37.3 per cent of the national total, followed by Ontario with 33 per cent and British Columbia with 12 per cent. The largest increase in generating capacity was in Ontario, where the increase amounted to 418,606 kilowatts. Quebec increased its capacity by 181,391 kilowatts, Alberta by 149,627 kilowatts, Newfoundland by 95,900 kilowatts, and New Brunswick by 38,050 kilowatts. The report "Inventory of Prime Mover and Electric Generating Equipment as at December 31, 1961" Catalogue No. 57-502 gives additional details on generating stations.

The largest thermal generating capacities were in Ontario with 44 per cent, Alberta with 14 per cent, Saskatchewan with 12 per cent, British Columbia with 8 per cent and Nova Scotia with 7 per cent.

The greatest increase in thermal capacity occurred in Ontario where the second 300,000 kilowatts unit at the Lakeview generating station was placed in service during 1962. Testing of the 100,000 kilowatts unit in the new Thunder Bay generating station at Fort William was initiated in 1962.

Calgary Power completed the addition of a 150,000 kilowatts unit at its Wabamun steam plant to account for the only other major thermal installation in Canada during the year.

In Quebec, hydraulic capacity was increased 187,000 kilowatts by placing the first four units of the Carillon project in service.

In Newfoundland, the Twin Falls Power Corporation began initial operation of two 46,800 kilowatts units in its plant on the Unknown River in Labrador.

The New Brunswick Electric Power Commission placed the third 40,500 kilowatts unit in service in its Beechwood Plant on the St. John River.

The first nuclear power was produced from the 20,000 kilowatt Nuclear Power Demonstration plant in Ontario starting in June, 1962.

The large increase in publicly-operated generating capacity in British Columbia in 1962 is due to the amalgamation of the privately-operated British Columbia Electric Company Limited with the publicly-operated British Columbia Power Commission to form the British Columbia Hydro and Power Authority.

Net generation (total generation less energy used in generating station service) increased 3.3 per cent in 1962 to 117,468,748 thousand kilowatt-hours from 113,713,318 thousand kilowatt-hours one year earlier. Generation by electric utilities increased 3.0 per cent to 92,096,096 thousand kilowatt-hours from 89,388,635 thousand kilowatt-hours while accounting for 78.4 per cent of total production compared with 78.6 per cent in 1961. Generation by industry rose to 25,372,652 thousand kilowatt-hours from 24,324,683 thousand kilowatt-hours a year earlier.

Generation from hydraulic facilities amounted to 88.6 per cent while thermal was 11.4 per cent. The decline of 8.4 per cent in Ontario's hydraulic production was largely a result of unusually low water resources in the province. Although Quebec had 37.3 per cent of the total generating capacity in Canada, it accounted for 43 per cent of the total generation, followed by Ontario with 30 per cent and British Columbia with 12 per cent.

Electric energy consumption increased 5.0 per cent, although total generation increased only 3.3 per cent. As a result, imports rose to 2,778,709 thousand kilowatt-hours from 1,394,014 thousand and exports decreased 1.1 per cent to 4,112,411 thousand kilowatt-hours from 4,157,531 thousand. Consumption in electric boilers declined 20.4 per cent from 6,002,738 thousand kilowatt-hours in 1961 to 4,776,381 thousand kilowatt-hours in 1962.

Of the total reported available for use in Canada in 1962, some 23,123,356,000 kilowatt-hours including 1,020,383,000 estimated as losses, represented generation by industrial establishments for own use. This compares with 22,377,925,000^r kilowatt-hours in 1961 and reflects an increase of 745,431,000 kilowatt-hours or 3.3 per cent.

Total sales of electricity to ultimate customers increased 5.6 per cent in 1962 to 84,331,799,000 kilowatt-hours from the 1961 total of 79,874,233,000. Power customers purchased 49,987,643,000 kilowatt-hours or 59.3 per cent of the total (60.7 per cent in 1961); domestic and farm customers, 23,692,010,000 or 28.1 per cent (27.7 in 1961); and commercial customers, 9,833,025,000 or 11.7 per cent (10.8). Street lighting accounted for the remaining 819,121,000 kilowatt-hours of electricity sold. In addition, some 8,679,891,000 kilowatt-hours of energy available for disposal were reported lost and unaccounted for. This compares with 8,697,643,000 kilowatt-hours in 1961.

A 3.1 per cent rise in ultimate customers brought the total to 5,539,403 from 5,375,445 in 1961. Domestic and farm customers also increased 3.1 per cent to 4,864,464 from 4,716,819, while the number of commercial customers showed a rise to 562,504 from 548,111. Power customers increased 2.1 per cent in 1962 to 106,507 from 104,333. A reclassification of customers in British Columbia accounts for the large decrease in power customers in 1962 and the correspondingly large increase in commercial customers.

Revenue received from sales to ultimate customers totalled \$908,479,000, up 5.8 per cent from the 1961 total of \$858,878,000. Domestic and farm customers produced revenues of \$365,990,000 versus \$346,807,000; commercial customers, \$185,093,000 versus \$166,666,000; power customers, \$337,257,000 versus \$327,461,000 and street lighting customers, \$20,139,000 versus \$17,944,000. Revenue obtained from export sales amounted to \$8,570,000 compared with \$9,552,000 in 1961.

The average revenue per kilowatt-hour for domestic and farm service declined 2.5 per cent from 1.58 cents in 1961 to 1.54 cents in 1962.

The average annual bill for domestic and farm customers rose 2.3 per cent in 1962 to \$75.24 from \$73.53 in 1961. The increase was due to a rise in average consumption of 4.5 per cent to 4,870 kilowatt-hours from 4,660. Averages varied widely from province to province, the low of 1,866 kilowatt-hours being recorded in Prince Edward Island and the high of 6,468 kilowatt-hours being registered in Manitoba. While many utilities do not distinguish between farm and domestic customers in their records, those that have reported farm service separately show an average increase in consumption of 11.8 per cent to 5,204 kilowatt-hours from 4,654 kilowatt-hours and an increase in the average annual bill to \$106.55 from \$99.52. The average cost of farm service dropped from 2.14 to 2.05 cents per kilowatt-hour.

Electric utilities reported an expenditure of \$37,236,502 on fuel for thermal electric plants in 1962, an increase of 50.9 per cent from the \$24,673,199 reported one year earlier. The amount spent on oil increased 8.6 per cent to \$7,517,131 from \$6,924,415 and on natural gas 10.1 per cent to \$6,960,338 from \$6,323,906. At the same time, expenditure for coal increased 99.2 per cent to \$22,759,033 from \$11,424,878.

Coal accounted for 60.0 per cent of total thermal generation in 1962 against 41.6 per cent in 1961, while natural gas was responsible for 28.1 per cent compared with 43.5 per cent, one year earlier. Production based on petroleum fuels increased 19.2 per cent over the 1961 figure.

Wages and salaries paid by the electric utility industry amounted to \$211,988,000 in 1962, an increase of 6.8 per cent over the \$198,416,000 reported in 1961. Publicly-operated utilities reported wages and salaries totalling \$164,927,000 in 1962, an increase of 12.3 per cent from the \$146,828,000 in 1961 while privately-operated utilities paid \$47,061,000 as against \$51,588,000. Employees, excluding construction workers, showed an increase in number to 40,003 from 39,389 in 1961. A total of 30,577 were employed by publicly-operated utilities versus 28,884 in 1961, and 9,426 by privately-operated utilities versus 10,505 one year earlier.

Total assets of the electric utility industry stood at \$7,849,793,000 at the end of 1962 compared with \$7,599,953,000 one year earlier, an increase of \$249,840,000 or 3.3 per cent. Total electric utility fixed assets after depreciation amounted to \$6,886,035,000 as against \$6,456,858,000 in 1961, an increase of \$429,177,000. This increase in fixed assets was partially financed by an increase of \$166,726,000 in long term debt.

Operating revenues of electric utilities were 6.8 per cent higher in 1962, rising to \$1,228,018,000 from the 1961 total of \$1,149,547,000. Operating expenses rose 8.7 per cent to \$809,177,000 from \$744,649,000 and operating income increased 3.4 per cent to a new high of \$418,841,000. Net income in 1962, therefore, rose 6.1 per cent to \$125,470,000 from \$118,210,000.

Federal, provincial and municipal taxes paid by electric utilities in 1962 amounted to \$72,998,000, a drop of 3.3 per cent from the \$75,487,000 paid in 1961. Federal taxes decreased to \$33,503,000 from \$39,943,000 in 1961. Provincial taxes, however, increased to \$16,527,000 from \$15,294,000 and municipal taxes also increased to \$22,968,000 in 1962 from \$20,250,000 in 1961.

Utilities' expenditures on capital and repair projects, for generating, transmission and distribution facilities (Table 15) showed an increase of 37 million dollars to 419 million in 1962 from 382 million in 1961.

Table 16 gives an historical summary of supply and demand for the years 1950-61. The industrial consumption of electric energy is based, in part, on data collected by the Industry Division of the Dominion Bureau of Statistics in the Census of Manufactures reports. Due to the fact that these reports are concerned primarily with consumers rather than producers of electric energy and are completed on the basis of different concepts and for different reporting periods, considerable difficulty is encountered in reconciling the two sets of data. For example, energy transferred between two establishments within the same organization

may be reported under purchases in Census of Manufactures reports but as produced for own use in Electric Power Statistics reports.

Another example of different concepts in the two reports appears in the "commercial and other consumption" category. Commercial consumption at power rates is calculated by deducting purchases as shown in the Census of Manufactures reports from power sales as shown in the Electric Power Statistics reports. In 1960 and 1961, in the province of British Columbia, a reclassification of customers from "power" to "commercial" has resulted in a net negative amount recorded in the "power rates" category. This negative amount is offset by the large increase in consumption in the commercial "at commercial rates" category.

In order to bring the different concepts to a common basis, the "generated for own use" and "purchased" figures are adjusted from the figures in the Census of Manufactures publications and are in conformity with the figures used in Electric Power Statistics.

Consumption of electric energy in each province for certain manufacturing groups is confidential due to the limited number of firms in any one group. As a result, only the total manufacturing consumption has been shown in the provincial tabulations in Table 16.

During the eleven year period 1950-61, total net generation increased at an annual compound rate of 6.8 per cent. The largest increase was 10.8 per cent in Alberta followed by Prince Edward Island, Saskatchewan and British Columbia with increases of 10.7 per cent, 9.8 per cent and 9.4 per cent respectively.

Net hydro-generation increased at an annual compound rate of 6.5 per cent between 1950 and 1961 while net thermal-generation increased at a 10.5 per cent rate.

Residential and farm consumption of electric energy increased at a compound growth rate of 16.3 per cent over the eleven year period 1950-61 while consumption by industrial and commercial consumers rose 5.5 per cent and 8.4 per cent respectively. Of the individual industries, mining showed the largest growth rate (6.0 per cent) followed by smelting and refining (5.6 per cent).

TABLE 1. Installed Generating Capacity at End of Year, 1962

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		nameplate rating in kilowatts			
	Electric utilities and industrial establishments:				
	Hydro:				
1	Water-wheels and turbines	19,338,174	352,810	155	142,930
	Thermal:				
2	Steam engines and turbines	4,884,537	51,600	32,500	367,028
3	Internal combustion engines	360,712	13,727	6,501	10,890
4	Gas turbines	383,577	—	—	—
5	Total thermal	5,628,826	65,327	39,001	377,918
6	Total installed generating capacity	24,967,000	418,137	39,156	520,848
7	Per cent of total for Canada	100.00	1.68	0.16	2.09
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	15,502,145	287,930	155	137,580
	Thermal:				
9	Steam engines and turbines	4,193,087	35,000	32,500	328,250
10	Internal combustion engines	312,591	13,127	6,501	9,890
11	Gas turbines	375,140	—	—	—
12	Total thermal	4,880,818	48,127	39,001	336,140
13	Total installed generating capacity	20,382,963	336,057	39,156	473,720
14	Per cent of total for Canada	100.00	1.65	0.19	2.32
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	11,198,853	—	—	97,768
	Thermal:				
16	Steam engines and turbines	3,538,087	—	—	86,750
17	Internal combustion engines	246,910	4,890	6,401	7,970
18	Gas turbines	356,640	—	—	—
19	Total thermal	4,141,637	4,890	6,401	94,720
20	Total installed generating capacity	15,340,490	4,890	6,401	192,488
21	Per cent of total for Canada	100.00	0.03	0.04	1.25
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	4,303,292	287,930	155	39,812
	Thermal:				
23	Steam engines and turbines	655,000	35,000	32,500	239,500
24	Internal combustion engines	65,681	8,237	100	1,920
25	Gas turbines	18,500	—	—	—
26	Total thermal	739,181	43,237	32,600	241,420
27	Total installed generating capacity	5,042,473	331,167	32,755	281,232
28	Per cent of total for Canada	100.00	6.57	0.65	5.58
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	3,836,029	64,880	—	5,350
	Thermal:				
30	Steam engines and turbines	691,450	16,600	—	40,778
31	Internal combustion engines	48,121	600	—	1,000
32	Gas turbines	8,437	—	—	—
33	Total thermal	748,008	17,200	—	41,778
34	Total installed generating capacity	4,584,037	82,080	—	47,128
35	Per cent of total for Canada	100.00	1.79	—	1.03

¹ Includes 20,000 Kw nuclear generating capacity.

TABLE 1. Installed Generating Capacity at End of Year, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
nameplate rating in kilowatts								
229,545	9,153,398	5,715,596	746,750	119,040	290,790	2,541,610	45,550	1
241,699	74,328	2,424,920 ¹	321,600	576,950	649,550	143,762	600	2
8,506	56,599	38,851	15,959	42,840	31,679	120,506	14,654	3
—	36,000	—	—	43,400	109,137	195,040	—	4
250,205	166,927	2,463,771	337,559	663,190	790,366	459,308	15,254	5
479,750	9,320,325	8,179,367	1,084,309	782,230	1,081,156	3,000,918	60,804	6
1.92	37.33	32.76	4.34	3.13	4.33	12.02	0.24	7
216,425	6,837,833	5,471,930	736,400	106,740	290,790	1,384,222	32,140	8
137,250	—	2,184,000	314,000	568,950	594,375	162	600	9
8,506	50,327	31,186	14,927	32,235	26,004	106,125	13,763	10
—	36,000	—	—	43,400	100,700	195,040	—	11
145,756	86,327	2,215,186	328,927	644,585	721,079	301,327	14,363	12
362,181	6,924,160	7,687,116	1,065,327	751,325	1,011,869	1,685,549	46,503	13
1.78	33.97	37.71	5.23	3.69	4.96	8.27	0.23	14
206,385	3,661,134	5,156,480	736,400	—	—	1,310,196	30,490	15
137,250	—	2,184,000	314,000	568,950	246,375	162	600	16
7,506	36,540	25,611	14,927	31,585	2,208	99,341	9,933	17
—	36,000	—	—	43,400	82,200	195,040	—	18
144,756	72,540	2,209,611	328,927	643,935	330,781	294,543	10,533	19
351,141	3,733,674	7,366,091	1,065,327	643,935	330,781	1,604,739	41,023	20
2.29	24.34	48.02	6.94	4.20	2.16	10.46	0.27	21
10,040	3,176,699	315,450	—	106,740	290,790	74,026	1,650	22
—	—	—	—	—	348,000	—	—	23
1,000	13,787	5,575	—	650	23,798	6,784	3,830	24
—	—	—	—	—	18,500	—	—	25
1,000	13,787	5,575	—	650	390,298	6,784	3,830	26
11,040	3,190,486	321,025	—	107,390	681,088	80,810	5,480	27
0.22	63.27	6.36	—	2.13	13.51	1.60	0.11	28
13,120	2,315,565	243,666	10,350	12,300	—	1,157,388	13,410	29
104,449	74,328	240,920	7,600	8,000	55,175	143,600	—	30
—	6,272	7,665	1,032	10,605	5,675	14,381	891	31
—	—	—	—	—	8,437	—	—	32
104,449	80,600	248,585	8,632	18,605	69,287	157,981	891	33
117,569	2,396,165	492,251	18,982	30,905	69,287	1,315,369	14,301	34
2.57	52.27	10.74	0.41	0.67	1.51	28.70	0.31	35

TABLE 2. Generation of Energy, 1962

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
1	Hydro:				
	Water-wheels and turbines	104,050,724	1,550,516	407	715,400
	Thermal:				
2	Steam engines and turbines	12,589,410	102,935	93,671	1,233,670
3	Internal combustion engines	529,113	9,200	7,676	19
4	Gas turbines	299,501	—	—	—
5	Total thermal	13,418,024	112,135	101,347	1,233,689
6	Total energy generated	117,468,748	1,662,651	101,754	1,949,089
7	Per cent of total for Canada	100.00	1.42	0.09	1.66
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	81,343,560	1,156,732	407	676,660
	Thermal:				
9	Steam engines and turbines	10,023,547	59,165	93,671	1,098,342
10	Internal combustion engines	468,133	8,150	7,676	19
11	Gas turbines	260,856	—	—	—
12	Total thermal	10,752,536	67,315	101,347	1,098,361
13	Total energy generated	92,096,096	1,224,047	101,754	1,775,021
14	Per cent of total for Canada	100.00	1.33	0.11	1.93
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	58,662,737	—	—	459,603
	Thermal:				
16	Steam engines and turbines	7,499,825	—	—	232,096
17	Internal combustion engines	377,175	170	7,668	19
18	Gas turbines	176,059	—	—	—
19	Total thermal	8,053,059	170	7,668	232,115
20	Total energy generated	66,715,796	170	7,668	691,718
21	Per cent of total for Canada	100.00	0.00	0.01	1.04
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	22,680,823	1,156,732	407	217,057
	Thermal:				
23	Steam engines and turbines	2,523,722	59,165	93,671	866,246
24	Internal combustion engines	90,958	7,980	8	—
25	Gas turbines	84,797	—	—	—
26	Total thermal	2,699,477	67,145	93,679	866,246
27	Total energy generated	25,380,300	1,223,877	94,086	1,083,303
28	Per cent of total for Canada	100.00	4.82	0.37	4.27
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	22,707,164	393,784	—	38,740
	Thermal:				
30	Steam engines and turbines	2,565,863	43,770	—	135,328
31	Internal combustion engines	60,980	1,050	—	—
32	Gas turbines	38,645	—	—	—
33	Total thermal	2,665,488	44,820	—	135,328
34	Total energy generated	25,372,652	438,604	—	174,068
35	Per cent of total for Canada	100.00	1.73	—	0.69

¹ Kilowatt-hours generated after deducting station service.

TABLE 2. Generation of Energy, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
1,213,475	49,907,955	30,912,426	4,220,586	706,739	956,195	13,668,585	198,440	1
956,149	299,276	4,343,570 ²	127,580	1,847,917	2,887,634	695,147	1,861	2
5,031	22,598	33,859	18,439	54,055	63,424	284,114	30,698	3
—	29,473	—	—	79,663	186,134	4,231	—	4
961,180	351,347	4,377,429	146,019	1,981,635	3,137,192	983,492	32,559	5
2,174,655	50,259,302	35,289,855	4,366,605	2,688,374	4,093,387	14,652,077	230,999	6
1.85	42.78	30.04	3.72	2.29	3.48	12.47	0.20	7
1,128,375	36,274,497	29,406,352	4,165,963	649,373	956,195	6,778,666	150,340	8
456,427	—	3,674,198	120,812	1,812,492	2,627,543	79,036	1,861	9
5,031	20,982	22,060	17,919	52,511	36,039	269,953	27,793	10
—	29,473	—	—	79,658	147,494	4,231	—	11
461,458	50,455	3,696,258	138,731	1,944,661	2,811,076	353,220	29,654	12
1,589,833	36,324,952	33,102,610	4,304,694	2,594,034	3,767,271	7,131,886	179,994	13
1.73	39.44	35.94	4.67	2.82	4.09	7.74	0.20	14
1,057,325	18,412,650	28,131,539	4,165,963	—	—	6,295,897	139,760	15
456,427	—	3,674,198	120,812	1,812,492	1,122,903	79,036	1,861	16
5,031	9,279	3,611	17,919	52,510	—	259,500	21,468	17
—	29,473	—	—	79,658	62,697	4,231	—	18
461,458	38,752	3,677,809	138,731	1,944,660	1,185,600	342,767	23,329	19
1,518,783	18,431,402	31,809,348	4,304,694	1,944,660	1,185,600	6,638,664	163,089	20
2.28	27.66	47.68	6.45	2.91	1.78	9.95	0.24	21
71,050	17,861,847	1,274,813	—	649,373	956,195	482,769	10,580	22
—	—	—	—	—	1,504,640	—	—	23
—	11,703	18,449	—	1	36,039	10,453	6,325	24
—	—	—	—	—	84,797	—	—	25
—	11,703	18,449	—	1	1,625,476	10,453	6,325	26
71,050	17,873,550	1,293,262	—	649,374	2,581,671	493,222	16,905	27
0.28	70.42	5.10	—	2.56	10.17	1.94	0.07	28
85,100	13,633,458	1,506,074	54,623	57,366	—	6,889,919	48,100	29
499,722	299,276	669,372	6,768	35,425	260,091	616,111	—	30
—	1,616	11,799	520	1,544	27,385	14,161	2,905	31
—	—	—	—	5	38,640	—	—	32
499,722	300,892	681,171	7,288	36,974	326,116	630,272	2,905	33
584,822	13,934,350	2,187,245	61,911	94,340	326,116	7,520,191	51,005	34
2.30	54.92	8.62	0.24	0.37	1.29	29.64	0.20	35

² Includes 22,184 thousand kilowatt hours of nuclear generation.

TABLE 3. Energy Made Available, 1962

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
1	Total generated (Table 2)¹	117, 468, 748	1, 662, 651	101, 754	1, 949, 089
2	Per cent of total for Canada	100. 00	1. 42	0. 09	1. 66
	Energy imported:				
3	From other provinces	—	—	—	62, 699
4	From United States	2, 778, 709	—	—	—
5	Total imported	2, 778, 709	—	—	62, 699
	Energy exported:				
6	To other provinces	—	81, 400	—	76, 042
7	To United States	4, 112, 411	—	—	—
8	Total exported	4, 112, 411	81, 400	—	76, 042
9	Total made available in Canada	116, 135, 046	1, 581, 251	101, 754	1, 935, 746
10	Per cent of total for Canada	100. 00	1. 36	0. 09	1. 67
	Generated for use in own plant:				
11	Excluding consumption in electric boilers	20, 694, 683	343, 996	—	167, 107
12	Consumption in electric boilers	1, 408, 290	1, 425	—	—
13	Losses	1, 020, 383	5, 555	—	—
14	Total generated for own use	23, 123, 356	350, 976	—	167, 107
15	Total available for disposal in Canada	93, 011, 690	1, 230, 275	101, 754	1, 768, 639
16	Per cent of total for Canada	100. 00	1. 30	0. 11	1. 87

¹ Kilowatt-hours after deducting station service.² Includes 13,422,000 Kwh inadvertent interchange and 33,178,000 Kwh storage energy (no value).

TABLE 4. Disposal of Energy, 1962

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities and industrial establishments:				
	To ultimate customers in Canada:				
1	Domestic and farm ¹	23, 692, 010	195, 367	39, 140	561, 430
2	Commercial	9, 833, 025	62, 739	35, 233	169, 898
3	Power — Excluding deliveries to electric boilers	46, 619, 552	799, 052	10, 885	787, 968
4	Deliveries to electric boilers	3, 368, 091	136, 389	—	—
5	Street lighting	819, 121	5, 638	1, 450	19, 149
6	Total sold to ultimate customers	84, 331, 799	1, 199, 185	86, 708	1, 538, 445
7	Losses and unaccounted for	8, 679, 891	31, 090	15, 046	230, 194
8	Total disposed of in Canada	93, 001, 690	1, 230, 275	101, 754	1, 768, 639
9	Per cent of total for Canada	100. 00	1. 30	0. 11	1. 87
	Exported:				
10	To other provinces — Primary	—	81, 400	—	56, 114
11	Secondary	—	—	—	19, 928
12	To United States — Primary	1, 261, 172	—	—	—
13	Secondary	2, 851, 239	—	—	—
14	Total exported	4, 112, 411	81, 400	—	76, 042
	Electric utilities:				
	Publicly and privately-operated:				
	To ultimate customers in Canada:				
15	Domestic and farm ¹	23, 640, 474	194, 481	39, 140	561, 430
16	Commercial	9, 699, 120	62, 365	35, 233	169, 898
17	Power — Excluding deliveries to electric boilers	46, 462, 806	763, 434	10, 885	783, 559
18	Deliveries to electric boilers	3, 318, 352	106, 650	—	—
19	Street lighting	816, 959	5, 638	1, 450	19, 149
20	Total sold to ultimate customers	83, 957, 711	1, 132, 568	86, 708	1, 534, 036
21	Losses and unaccounted for	8, 670, 544	21, 090	15, 046	230, 194
22	Total disposed of in Canada	92, 628, 255	1, 163, 658	101, 754	1, 764, 230
23	Per cent of total for Canada	100. 00	1. 24	0. 11	1. 87

See footnotes at end of table.

TABLE 3. Energy Made Available, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
2,174,655	50,259,302	35,289,855	4,366,605	2,688,374	4,093,387	14,652,077	230,999	1
1.85	42.78	30.04	3.72	2.29	3.48	12.47	0.20	2
98,517	125,248	5,948,897	885,839	33,738	32,524	—	—	3
15,741	647	2,703,784	—	487	687	57,363 ²	—	4
114,258	125,895	8,652,681	885,839	34,225	33,211	57,363	—	5
62,717	5,925,689	250,885	79,421	678,784	—	32,524	—	6
246,344	299,468	3,550,796	12	—	—	15,791 ³	—	7
309,061	6,225,157	3,801,681	79,433	678,784	—	48,315	—	8
1,979,852	44,160,040	40,140,855	5,173,011	2,043,815	4,126,598	14,661,125	230,999	9
1.71	38.03	34.56	4.45	1.76	3.55	12.62	0.20	10
451,485	9,814,791	2,763,172	90,318	57,745	325,989	6,643,755	36,525	11
—	1,064,715	82,625	—	357	—	258,110	1,058	12
23,160	695,034	80,258	—	2,406	—	209,426	4,544	13
474,645	11,574,540	2,926,055	90,318	60,308	325,989	7,111,291	42,127	14
1,505,207	32,585,500	37,214,800	5,082,693	1,983,507	3,800,609	7,549,834	188,872	15
1.59	35.64	39.51	5.38	2.10	4.03	8.27	0.20	16

³ Includes 14,028,025 Kwh inadvertent interchange (no value).

TABLE 4. Disposal of Energy, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
409,357	6,118,761	10,490,150	1,622,841	781,470	1,078,946	2,374,596	19,952	1
119,017	2,248,508	4,143,848	607,037	284,110	607,735	1,542,022	12,878	2
831,531	18,388,863	18,625,230	2,190,135	588,864	1,580,804	2,731,013	85,207	3
—	2,611,987	458,334	114,176	36	—	—	47,169	4
20,292	203,514	325,648	55,374	24,888	71,700	91,157	311	5
1,380,197	29,571,633	34,043,210	4,589,563	1,679,368	3,339,185	6,738,788	165,517	6
125,012	3,013,867	3,171,590	493,130	304,139	461,424	811,046	23,355	7
1,505,207	32,585,500	37,214,800	5,082,693	1,983,507	3,800,609	7,549,834	188,872	8
1.59	35.64	39.51	5.38	2.10	4.03	8.27	0.20	9
62,717	3,926,037	21,718	79,421	678,784	—	32,524	—	10
—	1,999,652	229,167	—	—	—	—	—	11
246,301	274,602	738,494	12	—	—	1,763	—	12
43	24,866	2,812,302	—	—	—	14,028 ²	—	13
309,061	6,225,157	3,801,681	79,433	678,784	—	48,315	—	14
409,357	6,110,365	10,475,981	1,619,679	781,512	1,078,424	2,350,255	19,950	15
119,017	2,245,202	4,138,392	605,389	284,110	607,538	1,419,535	12,441	16
818,297	18,358,433	18,557,879	2,190,067	588,864	1,580,804	2,726,126	84,458	17
—	2,611,987	458,334	114,176	36	—	—	47,169	18
20,292	203,035	325,421	55,310	24,888	71,686	89,779	311	19
1,366,963	29,529,022	33,956,007	4,584,621	1,679,310	3,338,452	6,585,695	164,329	20
125,010	3,010,101	3,166,861	492,312	304,139	461,390	811,046	23,355	21
1,491,973	32,539,123	37,122,868	5,076,993	1,983,449	3,799,842	7,396,741	187,684	22
1.59	35.73	39.57	5.40	2.11	4.04	8.14	0.20	23

TABLE 4. Disposal of Energy, 1962 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities — Concluded:				
	Public and privately-operated — Concluded:				
	Exported:				
1	To other provinces — Primary .....	...	—	—	56,114
2	Secondary .....	...	—	—	19,928
3	To United States — Primary	1,113,419	—	—	—
4	Secondary	2,851,239	—	—	—
5	Total exported	3,964,658	—	—	76,042
	Publicly-operated:				
	To ultimate customers in Canada:				
6	Domestic and farm ¹	18,671,743	153	5,215	172,828
7	Commercial	8,139,058	—	6,044	67,645
8	Power — Excluding deliveries to electric boilers ..	29,972,086	—	—	305,760
9	Deliveries to electric boilers	769,563	—	—	—
10	Street lighting	666,312	—	488	6,393
11	Total sold to ultimate customers	58,218,762	153	11,747	552,626
12	Losses and unaccounted for	6,256,087	17	886	77,212
13	Total disposed of in Canada	64,474,849	170	12,633	629,838
14	Per cent of total for Canada	100.00	0.00	0.02	0.98
	Exported:				
15	To other provinces — Primary .....	...	—	—	7,116
16	Secondary .....	...	—	—	19,928
17	To United States — Primary	649,613	—	—	—
18	Secondary	2,826,373	—	—	—
19	Total exported	3,475,986	—	—	27,044
	Privately-operated:				
	To ultimate customers in Canada:				
20	Domestic and farm ¹	4,968,731	194,328	33,925	388,602
21	Commercial	1,560,062	62,365	29,189	102,253
22	Power — Excluding deliveries to electric boilers ..	16,490,720	763,434	10,885	477,799
23	Deliveries to electric boilers	2,568,789	106,650	—	—
24	Street lighting	150,647	5,638	962	12,756
25	Total sold to ultimate customers	25,738,949	1,132,415	74,961	981,410
26	Losses and unaccounted for	2,414,457	31,073	14,160	152,982
27	Total disposed of in Canada	28,153,406	1,163,488	89,121	1,134,392
28	Per cent of total for Canada	100.00	4.13	0.32	4.03
	Exported:				
29	To other provinces — Primary .....	...	—	—	48,998
30	Secondary .....	...	—	—	—
31	To United States — Primary	463,806	—	—	—
32	Secondary	24,866	—	—	—
33	Total exported	488,672	—	—	48,998
	Industrial establishments:				
	To ultimate customers in Canada:				
34	Domestic and farm ¹	51,536	886	—	—
35	Commercial	133,905	374	—	—
36	Power — Excluding deliveries to electric boilers	156,746	35,618	—	4,409
37	Deliveries to electric boilers	29,739	29,739	—	—
38	Street lighting	2,162	—	—	—
39	Total sold to ultimate customers	374,088	66,617	—	4,409
40	Losses and unaccounted for	9,347	—	—	—
41	Total disposed of in Canada	383,435	66,817	—	4,409
42	Per cent of total for Canada	100.00	17.37	—	1.15
	Exported:				
43	To other provinces — Primary .....	...	81,400	—	—
44	Secondary .....	...	—	—	—
45	To United States — Primary	147,753	—	—	—
46	Secondary	—	—	—	—
47	Total exported	147,753	81,400	—	—

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 4. Disposal of Energy, 1962 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
62,717	3,926,037	21,718	79,421	647,088	—	32,524	—	1
—	1,999,652	229,167	—	—	—	—	—	2
158,151	274,602	678,891	12	—	—	1,763	—	3
43	24,866	2,812,302	—	—	—	14,028	—	4
220,911	6,225,157	3,742,078	79,433	647,088	—	48,315	—	5
370,209	2,827,810	10,270,551	1,593,313	776,276	554,372	2,095,174	5,842	6
93,682	1,199,492	4,045,138	598,293	282,513	453,679	1,386,931	5,641	7
802,069	5,746,528	17,531,984	1,631,861	588,702	625,027	2,664,602	75,553	8
—	149,848	458,334	114,176	36	—	—	47,169	9
18,519	104,673	317,732	52,020	24,530	55,051	86,883	23	10
1,284,479	10,028,351	32,623,739	3,989,663	1,672,057	1,688,129	6,233,590	134,228	11
115,660	1,141,682	3,029,079	450,859	293,476	126,080	732,603	18,533	12
1,400,139	1,140,033	35,652,818	4,440,522	1,965,533	1,814,209	6,966,193	152,761	13
2.17	17.74	55.30	6.89	3.05	2.81	10.81	0.23	14
62,717	1,437,263	21,718	74,722	8,290	—	304	—	15
—	1,865,726	229,167	—	—	—	—	—	16
87,476	268,851	291,574	12	—	—	1,700	—	17
43	—	2,812,302	—	—	—	14,028 ²	—	18
150,236	3,571,840	3,354,761	74,734	8,290	—	16,032	—	19
39,148	3,282,555	205,430	26,366	5,136	524,052	255,081	14,108	20
25,335	1,045,710	93,254	7,096	1,597	153,859	32,604	6,800	21
16,228	12,611,905	1,025,895	558,206	162	955,777	61,524	8,905	22
—	2,462,139	—	—	—	—	—	—	23
1,773	98,362	7,689	3,290	358	16,635	2,896	288	24
82,484	19,500,671	1,332,268	594,958	7,253	1,650,323	352,105	30,101	25
9,350	1,598,419	137,782	41,453	10,663	335,310	78,443	4,822	26
91,834	21,099,090	1,470,050	636,411	17,916	1,985,633	430,548	34,923	27
0.33	74.94	5.22	2.26	0.06	7.05	1.53	0.13	28
—	2,488,774	—	4,699	638,798	—	32,220	—	29
—	133,926	—	—	—	—	—	—	30
70,675	5,751	387,317	—	—	—	63	—	31
—	24,866	—	—	—	—	—	—	32
70,675	2,653,317	387,317	4,699	638,798	—	32,283	—	33
—	8,396	14,169	3,162	58	522	24,341	2	34
—	3,306	5,456	1,648	—	197	122,487	437	35
13,234	30,430	67,351	68	—	—	4,887	749	36
—	—	—	—	—	—	—	—	37
—	479	227	64	—	14	1,378	—	38
13,234	42,611	87,203	4,942	58	733	153,093	1,188	39
—	3,766	4,729	818	—	34	—	—	40
13,234	46,377	91,932	5,760	58	767	153,093	1,188	41
3.45	12.10	23.98	1.50	0.01	0.20	39.93	0.31	42
—	—	—	—	31,696	—	—	—	43
—	—	—	—	—	—	—	—	44
88,150	—	59,603	—	—	—	—	—	45
—	—	—	—	—	—	—	—	46
88,150	—	59,603	—	31,696	—	—	—	47

² Inadvertent interchange (no value).

TABLE 5. Customers at End of Year, 1962

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:				
	Ultimate customers in Canada:				
1	Domestic and farm ¹	4,864,464	66,498	20,974	178,461
2	Commercial	562,504	6,770	3,601	21,486
3	Power	106,507	1,100	7	8,942
4	Street lighting	5,928	26	25	382
5	Total ultimate customers	5,539,403	74,394	24,607	209,271
6	Per cent of total for Canada	100.00	1.34	0.45	3.78
	Electric utilities:				
	Publicly and privately-operated:				
	Ultimate customers in Canada:				
7	Domestic and farm ¹	4,857,219	66,016	20,974	178,461
8	Commercial	561,885	6,756	3,601	21,486
9	Power	106,459	1,086	7	8,940
10	Street lighting	5,912	26	25	382
11	Total ultimate customers	5,531,475	73,884	24,607	209,269
12	Per cent of total for Canada	100.00	1.34	0.45	3.78
	Publicly-operated:				
	Ultimate customers in Canada:				
13	Domestic and farm ¹	3,729,488	179	2,639	73,126
14	Commercial	429,389	—	504	9,423
15	Power	71,560	—	—	1,285
16	Street lighting	3,985	—	2	307
17	Total ultimate customers	4,234,422	179	3,145	84,141
18	Per cent of total for Canada	100.00	0.00	0.07	1.99
	Privately-operated:				
	Ultimate customers in Canada:				
19	Domestic and farm ¹	1,127,731	65,837	18,335	105,335
20	Commercial	132,496	6,756	3,097	12,063
21	Power	34,899	1,086	7	7,655
22	Street lighting	1,927	26	23	75
23	Total ultimate customers	1,297,053	73,705	21,462	125,128
24	Per cent of total for Canada	100.00	5.68	1.65	9.65
	Industrial establishments:				
	Ultimate customers in Canada:				
25	Domestic and farm ¹	7,245	482	—	—
26	Commercial	619	14	—	—
27	Power	48	14	—	2
28	Street lighting	16	—	—	—
29	Total ultimate customers	7,928	510	—	2
30	Per cent of total for Canada	100.00	6.42	—	0.03

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 5. Customers at End of Year, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
155,238	1,319,047	1,869,471	250,899	227,161	315,741	456,554	4,420	1
7,606	155,481	168,125	40,525	34,320	49,400	74,113	1,077	2
2,475	25,527	26,753	12,413	8,789	18,355	1,898	248	3
1,035	1,271	797	539	918	616	301	18	4
166,354	1,501,326	2,065,146	304,376	271,188	384,112	532,866	5,763	5
3.00	27.10	37.28	5.50	4.90	6.93	9.62	0.10	6
155,238	1,317,566	1,867,800	250,468	227,140	315,492	453,645	4,419	7
7,606	155,357	168,013	40,473	34,320	49,387	73,813	1,073	8
2,473	25,523	26,746	12,412	8,789	18,355	1,882	246	9
1,035	1,263	795	538	918	615	297	18	10
166,352	1,499,709	2,063,354	303,891	271,167	383,849	529,637	5,756	11
3.01	27.11	37.30	5.49	4.90	6.94	9.58	0.10	12
144,052	608,372	1,830,822	247,147	226,085	171,469	424,583	1,014	13
5,892	75,823	164,239	40,120	34,187	27,484	71,285	432	14
2,197	14,563	26,433	12,354	8,782	4,710	1,176	60	15
1,024	137	769	535	914	14	276	7	16
153,165	698,895	2,022,263	300,156	269,968	203,677	497,320	1,513	17
3.62	16.50	47.76	7.09	6.38	4.81	11.74	0.04	18
11,186	709,194	36,978	3,321	1,055	144,023	29,062	3,405	19
1,714	79,534	3,774	353	133	21,903	2,528	641	20
276	10,960	313	58	7	13,645	706	186	21
11	1,126	26	3	4	601	21	11	22
13,187	800,814	41,091	3,735	1,199	180,172	32,317	4,243	23
1.02	61.74	3.17	0.29	0.09	13.89	2.49	0.33	24
—	1,481	1,671	431	21	249	2,909	1	25
—	124	112	52	—	13	300	4	26
2	4	7	1	—	—	16	2	27
—	8	2	1	—	1	4	—	28
2	1,617	1,792	485	21	263	3,229	7	29
0.03	20.40	22.60	6.12	0.26	3.32	40.73	0.09	30

TABLE 6. Revenue from Sale of Electricity, 1962

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities and industrial establishments:				
	Revenue from ultimate customers in Canada:				
1	Domestic and farm ¹	365,990	4,624	1,642	14,245
2	Commercial	185,093	1,946	1,202	5,925
3	Power—Excluding deliveries to electric boilers	332,067	6,362	241	11,794
4	Deliveries to electric boilers	5,190	136	—	—
5	Street lighting	20,139	176	80	808
6	Total revenue from ultimate customers	908,479	13,244	3,165	32,772
7	Per cent of total for Canada	100.00	1.46	0.35	3.61
	Revenue from electricity exported:				
8	To other provinces—Primary .....	...	240	—	645
9	Secondary .....	...	—	—	141
10	To United States—Primary	6,487	—	—	—
11	Secondary	1,775	—	—	—
12	Total revenue from exports	8,262	240	—	786
13	Totals (ultimate customers and exports)	916,741	13,484	3,165	33,558
	Electric utilities:				
	Publicly and privately-operated:				
	Revenue from ultimate customers in Canada:				
14	Domestic and farm ¹	365,295	4,604	1,642	14,245
15	Commercial	184,069	1,938	1,202	5,925
16	Power—Excluding deliveries to electric boilers ..	331,284	6,357	241	11,768
17	Deliveries to electric boilers	5,190	136	—	—
18	Street lighting	20,097	176	80	808
19	Total revenue from ultimate customers	905,835	13,211	3,165	32,746
20	Per cent of total for Canada	100.00	1.46	0.35	3.61
	Revenue from electricity exported:				
21	To other provinces—Primary .....	...	—	—	645
22	Secondary .....	...	—	—	141
23	To United States—Primary	5,239	—	—	—
24	Secondary	1,775	—	—	—
25	Total revenue from exports	7,014	—	—	786
26	Totals (ultimate customers and exports)	912,949	13,211	3,165	33,532
	Publicly-operated:				
	Revenue from ultimate customers in Canada:				
27	Domestic and farm ¹	279,412	24	216	4,699
28	Commercial	147,187	—	226	2,093
29	Power—Excluding deliveries to electric boilers ..	230,192	—	—	2,659
30	Deliveries to electric boilers	1,738	—	—	—
31	Street lighting	15,190	—	26	225
32	Total revenue from ultimate customers	673,719	24	468	9,676
33	Per cent of total for Canada	100.00	0.00	0.07	1.44

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 6. Revenue from Sale of Electricity, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
12,393	85,514	138,600	18,581	22,164	23,226	44,108	893	1
3,320	41,944	58,875	9,395	7,877	17,078	36,666	866	2
8,801	101,641	134,151	14,975	11,426	20,200	20,751	1,724	3
—	3,698	620	135	1	—	—	600	4
746	4,436	8,009	1,121	995	1,869	1,872	27	5
25,260	237,233	340,255	44,207	42,463	62,373	103,397	4,110	6
2.78	26.11	37.45	4.87	4.67	6.87	11.38	0.45	7
189	10,876	270	85	1,582	—	246	—	8
—	2,899	509	—	—	—	—	—	9
2,227	773	3,764	1	—	—	29	—	10
2	110	1,663	—	—	—	—	—	11
2,418	14,658	6,206	86	1,582	—	275	—	12
27,678	251,891	346,461	44,293	44,045	62,373	103,672	4,110	13
12,393	85,386	138,443	18,524	22,163	23,206	43,796	893	14
3,320	41,882	58,796	9,371	7,877	17,074	35,848	837	15
8,702	101,424	133,793	14,974	11,426	20,200	20,687	1,711	16
—	3,698	620	135	1	—	—	600	17
746	4,429	8,008	1,121	995	1,868	1,839	27	18
25,161	236,819	339,660	44,125	42,462	62,348	102,170	4,068	19
2.78	26.14	37.49	4.87	4.69	6.88	11.28	0.45	20
189	10,876	208	85	1,582	—	246	—	21
—	2,899	509	—	—	—	—	—	22
1,390	773	3,353	1	—	—	29	—	23
2	110	1,663	—	—	—	—	—	24
1,581	14,658	5,733	86	1,582	—	275	—	25
26,742	251,477	345,393	44,211	44,044	62,348	102,445	4,068	26
11,394	35,959	135,653	18,160	22,041	10,585	40,347	334	27
2,605	22,118	57,386	9,229	7,813	10,338	34,982	397	28
8,314	38,498	127,697	13,747	11,420	6,874	19,733	1,250	29
—	382	620	135	1	—	—	600	30
687	1,527	7,812	1,091	989	1,053	1,773	7	31
23,000	98,484	329,168	42,362	42,264	28,850	96,835	2,588	32
3.41	14.62	48.86	6.29	6.27	4.28	14.37	0.39	33

TABLE 6. Revenue from Sale of Electricity, 1962 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Concluded:				
	Publicly-operated — Concluded:				
	Revenue from electricity exported:				
1	To other provinces — Primary .....	...	—	—	114
2	Secondary .....	...	—	—	141
3	To United States — Primary	2,955	—	—	—
4	Secondary	1,665	—	—	—
5	Total revenue from exports	4,620	—	—	255
6	Totals (ultimate customers and exports)	678,339	24	468	9,931
	Privately-operated:				
	Revenue from ultimate customers in Canada:				
7	Domestic and farm ¹	85,883	4,580	1,426	9,546
8	Commercial	36,882	1,938	976	3,832
9	Power — Excluding deliveries to electric boilers ..	101,092	6,357	241	9,109
10	Deliveries to electric boilers	3,452	136	—	—
11	Street lighting	4,907	176	54	583
12	Total revenue from ultimate customers	232,216	13,187	2,697	23,070
13	Per cent of total for Canada	100.00	5.68	1.16	9.93
	Revenue from electricity exported:				
14	To other provinces — Primary .....	...	—	—	531
15	Secondary .....	...	—	—	—
16	To United States — Primary	2,284	—	—	—
17	Secondary	110	—	—	—
18	Total revenue from exports	2,394	—	—	531
19	Totals (ultimate customers and exports)	234,610	13,187	2,697	23,601
	Industrial establishments:				
	Revenue from ultimate customers in Canada:				
20	Domestic and farm ¹	695	20	—	—
21	Commercial	1,024	8	—	—
22	Power — Excluding deliveries to electric boilers	783	5	—	26
23	Deliveries to electric boilers	—	—	—	—
24	Street lighting	42	—	—	—
25	Total revenue from ultimate customers	2,544	33	—	26
26	Per cent of total for Canada	100.00	1.30	—	1.02
	Revenue from electricity exported:				
27	To other provinces — Primary .....	...	240	—	—
28	Secondary .....	...	—	—	—
29	To United States — Primary	1,248	—	—	—
30	Secondary	—	—	—	—
31	Total revenue from exports	1,248	240	—	—
32	Totals (ultimate customers and exports)	3,792	273	—	26

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 6. Revenue From Sale of Electricity, 1962 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
189	3,217	208	27	6	—	—	—	1
—	2,641	509	—	—	—	—	—	2
672	692	1,565	1	—	—	25	—	3
2	—	1,663	—	—	—	—	—	4
863	6,550	3,945	28	6	—	25	—	5
23,863	105,034	333,113	42,390	42,270	28,850	96,860	2,588	6
999	49,427	2,790	364	122	12,621	3,449	559	7
715	19,764	1,410	142	64	6,736	865	440	8
388	62,926	6,096	1,227	6	13,326	955	461	9
—	3,316	—	—	—	—	—	—	10
59	2,902	196	30	6	815	66	20	11
2,161	138,335	10,492	1,763	198	33,498	5,335	1,480	12
0.93	59.57	4.52	0.76	0.09	14.42	2.30	0.64	13
—	7,659	—	58	1,576	—	246	—	14
—	258	—	—	—	—	—	—	15
718	81	1,788	—	—	—	4	—	16
—	110	—	—	—	—	—	—	17
718	8,108	1,788	58	1,576	—	250	—	18
2,879	146,443	12,280	1,821	1,774	33,498	5,585	1,480	19
—	128	157	57	1	20	312	—	20
—	62	79	24	—	4	818	29	21
99	217	358	1	—	—	64	13	22
—	—	—	—	—	—	—	—	23
—	7	1	—	—	1	33	—	24
99	414	595	82	1	25	1,227	42	25
3.89	16.28	23.39	3.22	0.04	0.98	48.23	1.65	26
—	—	62	—	—	—	—	—	27
—	—	—	—	—	—	—	—	28
837	—	411	—	—	—	—	—	29
—	—	—	—	—	—	—	—	30
837	—	473	—	—	—	—	—	31
936	414	1,068	82	1	25	1,227	42	32

TABLE 7. Domestic and Farm Service, 1939-62

No.			Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:					
	Customers:					
1	1939	No.	1,623,672	..	5,067	62,034
2	1945	"	1,987,360	..	6,387	84,011
3	1950	"	2,797,378	30,311	10,298	124,860
4	1961	"	4,716,819	63,195	21,883	174,775
5	1962	"	4,864,464	66,498	20,974	178,461
	Kilowatt-hours sold:					
6	1939	'000 kwh.	2,310,891	..	2,908	39,084
7	1945	"	3,365,497	..	5,217	70,099
8	1950	"	6,750,303	40,051	10,526	147,522
9	1961	"	21,979,672	179,761	42,314	512,244
10	1962	"	23,692,010	195,367	39,140	561,430
	Revenue received:					
11	1939	\$'000	43,793	..	163	1,709
12	1945	"	55,736	..	239	2,286
13	1950	"	109,015	835	584	4,421
14	1961	"	346,807	4,232	1,811	13,276
15	1962	"	365,990	4,624	1,642	14,245
	Kilowatt-hours per customer:					
16	1939	kwh.	1,423	..	574	630
17	1945	"	1,693	..	817	834
18	1950	"	2,413	1,321	1,022	1,181
19	1961	"	4,660	2,845	1,934	2,931
20	1962	"	4,870	2,938	1,866	3,146
	Average annual bill:					
21	1939	\$	26.97	..	32.21	27.56
22	1945	\$	28.05	..	37.35	27.21
23	1950	\$	38.97	27.57	56.69	35.41
24	1961	\$	73.53	66.97	82.76	75.96
25	1962	\$	75.24	69.54	78.29	79.82
	Revenue per kilowatt-hour:					
26	1939	cents	1.90	..	5.61	4.37
27	1945	"	1.66	..	4.57	3.26
28	1950	"	1.61	2.09	5.55	3.00
29	1961	"	1.58	2.35	4.28	2.59
30	1962	"	1.54	2.37	4.20	2.54
	Farm service, 1962¹:					
31	Customers	No.	481,226	5,605	301	29,615
32	Kilowatt-hours sold	'000 kwh.	2,504,378	8,232	499	42,435
33	Revenue received	\$'000	51,275	426	33	1,397
34	Kilowatt-hours per customer	No.	5,204	1,469	1,658	1,433
35	Average annual bill	\$	106.55	76.00	109.63	47.17
36	Revenue per kilowatt-hour	cents	2.05	5.17	6.61	3.29

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records. At the bottom of the page, however, farm figures are tabulated as reported.

TABLE 7. Domestic and Farm Service, 1939-62

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
46,485	434,825	719,871	81,091	49,980	68,267	156,052	..	1
62,175	558,865	839,968	94,673	61,285	87,005	192,991	..	2
95,540	778,878	1,104,317	144,122	94,734	134,132	278,417	1,769	3
145,246	1,279,564	1,816,679	246,642	224,045	301,317	439,087	4,386	4
155,238	1,319,047	1,869,471	250,899	227,161	315,741	456,554	4,420	5
26,989	311,420	1,374,325	320,827	41,198	42,210	151,930	..	6
45,958	507,274	1,963,043	416,499	58,402	63,962	235,043	..	7
97,752	1,199,887	3,662,862	689,335	128,221	164,205	607,427	2,515	8
362,040	5,500,250	9,987,316	1,611,758	697,207	971,567	2,199,441	15,774	9
409,357	6,118,761	10,490,150	1,622,841	781,470	1,078,946	2,374,596	19,952	10
1,308	9,167	19,658	3,312	2,004	2,145	4,327	..	11
1,883	11,926	23,699	4,238	2,566	2,932	5,967	..	12
3,747	23,821	44,724	7,939	4,871	5,385	12,525	163	13
11,330	78,716	130,382	18,458	20,454	21,127	46,216	805	14
12,393	85,514	138,600	18,581	22,164	23,226	44,108	893	15
581	716	1,909	3,956	824	618	974	..	16
739	908	2,337	4,399	953	735	1,218	..	17
1,023	1,541	3,317	4,783	1,353	1,224	2,182	1,422	18
2,493	4,299	5,443	6,535	3,112	3,224	5,009	3,596	19
2,637	4,639	5,611	6,468	3,440	3,417	5,201	4,514	20
28.13	21.08	27.31	40.84	40.10	31.42	27.73	..	21
30.29	21.34	28.21	44.76	41.87	33.70	30.92	..	22
39.22	30.58	40.50	55.08	51.42	40.15	44.99	92.23	23
78.01	61.52	71.77	74.84	91.29	70.12	105.25	183.54	24
79.83	64.83	74.14	74.06	97.57	73.56	96.61	202.04	25
4.85	2.94	1.43	1.03	4.87	5.08	2.85	..	26
4.10	2.35	1.21	1.02	4.39	4.59	2.54	..	27
3.83	1.99	1.22	1.15	3.80	3.28	2.06	6.49	28
3.13	1.43	1.32	1.15	2.93	2.17	2.10	5.10	29
3.03	1.40	1.32	1.14	2.83	2.15	1.86	4.48	30
23,671	105,505	140,511	39,489	59,684	54,689	22,156	..	31
58,416	416,865	980,516	262,052	250,524	262,706	222,133	..	32
1,894	7,892	18,367	4,383	8,042	5,643	3,198	..	33
2,468	3,951	6,978	6,637	4,198	4,804	1,003 1,026	..	34
80.01	74.80	130.72	110.99	134.74	103.18	144.34	..	35
3.24	1.89	1.87	1.67	3.21	2.15	1.44	..	36

TABLE 8. Pole Line Mileage at End of Year, 1962

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	Steel — Towers	12,845	176	—	91
2	Poles	203	47	—	1
3	Aluminum — Towers	—	—	—	—
4	Poles	1	—	—	—
5	Wood pole — Transmission	48,936	457	146	2,142
6	Distribution	266,508	2,781	1,981	9,323
7	Concrete pole	1,503	—	—	—
8	Cable (underground and —under 69 kv. submarine)	4,800	10	2	37
9	69 kv. and over.....	449	—	—	—
10	Other	59	—	—	—
11	Total pole line mileage.....	335,304	3,471	2,129	11,594
12	Per cent of total for Canada	100.00	1.04	0.64	3.46

TABLE 9. Circuit Mileage of Electric Line at End of Year, 1962

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	20,000 - 49,999 volts	28,389	458	146	1,103
2	50,000 - 99,999 "	14,632	293	—	913
3	100,000 - 149,999 "	15,827	—	—	154
4	150,000 - 199,999 "	905	—	—	—
5	200,000 - 249,999 "	6,243	110	—	—
6	250,000 - 299,999 "	—	—	—	—
7	300,000 - 349,999 "	2,309	—	—	—
8	350,000 volts and over	205	—	—	—
9	Total circuit mileage¹.....	68,510	861	146	2,170
10	Per cent of total for Canada	100.00	1.26	0.21	3.17

¹ Includes all circuits, overhead or underground, of 22,000 volts and over whether described as transmission or distribution.

TABLE 8. Pole Line Mileage at End of Year, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
725	3,929	5,734	1,032	133	294	731	—	1
—	59	69	2	25	—	—	—	2
—	—	—	—	—	—	—	—	3
—	—	1	—	—	—	—	—	4
1,167	6,511	9,410	4,362	10,380	10,718	3,463	180	5
9,010	34,731	61,026	27,960	59,648	46,935	12,946	167	6
13	26	1,462	—	1	1	—	—	7
18	1,795	2,322	200	98	215	101	2	8
—	57	119	14	4	13	242	—	9
25	—	34	—	—	—	—	—	10
10,958	47,108	80,177	33,570	70,289	58,176	17,483	349	11
3.27	14.05	23.91	10.01	20.96	17.35	5.21	0.10	12

TABLE 9. Circuit Mileage of Electric Line at End of Year, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
85	2,827	6,881	1,864	7,424	7,240	324	37	1
1,202	2,617	219	2,038	2,235	2,289	2,794	32	2
600	2,486	6,966	2,171	879	1,446	1,027	98	3
—	905	—	—	—	—	—	—	4
—	1,290	4,345	130	—	—	368	—	5
—	—	—	—	—	—	—	—	6
—	2,309	—	—	—	—	—	—	7
—	—	—	—	—	—	205	—	8
1,887	12,434	18,411	6,203	10,538	10,975	4,718	167	9
2.76	18.15	26.87	9.05	15.38	16.02	6.89	0.24	10

TABLE 10. Fuel Used to Generate Electricity, 1962

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities—Publicly and privately-operated:				
	Quantity of fuel:				
	Coal:				
1	Bituminous—Canadian short ton	883,172	—	—	514,737
2	Imported "	1,249,163	—	—	—
3	Sub-bituminous "	488,708	—	—	—
4	Saskatchewan lignite "	1,103,962	—	—	—
5	Other "	—	—	—	—
6	Total coal short ton	3,725,005	—	—	514,737
	Petroleum fuels:				
7	Furnace fuel oil—Light Imp. gallon	7,444,433	—	—	183,855
8	Heavy "	71,565,969	2,982,628	8,594,032	11,049,923
9	Diesel fuel oil "	10,246,788	695,633	143,560	3,170
10	Other "	162,155	—	—	—
11	Total petroleum fuels "	89,419,345	3,678,261	8,737,592	11,236,948
	Gas:				
12	Natural M. cu. ft.	43,347,109	—	—	—
13	Manufactured "	303,278	—	—	—
14	Total gas "	43,650,387	—	—	—
15	Other fuels "	—	—	—	—
	Cost of fuel:				
	Coal:				
16	Bituminous—Canadian \$	8,797,979	—	—	5,448,621
17	Imported \$	11,030,499	—	—	—
18	Sub-bituminous \$	1,056,261	—	—	—
19	Saskatchewan lignite \$	1,874,294	—	—	—
20	Other \$	—	—	—	—
21	Total coal \$	22,759,033	—	—	5,448,621
	Petroleum fuels:				
22	Furnace fuel oil—Light \$	1,046,934	—	—	26,300
23	Heavy \$	4,463,143	382,933	562,911	673,834
24	Diesel fuel oil \$	1,993,155	126,876	20,079	544
25	Other \$	13,899	—	—	—
26	Total petroleum fuels \$	7,517,131	509,809	582,990	700,678
	Gas:				
27	Natural \$	6,925,613	—	—	—
28	Manufactured \$	34,725	—	—	—
29	Total gas \$	6,960,338	—	—	—
30	Other fuels \$	—	—	—	—
31	Total all fuels \$	37,236,502	509,809	582,990	6,149,299
32	Per cent of total for Canada	100.00	1.37	1.57	16.51

¹ See footnote at end of table.

TABLE 10. Fuel Used to Generate Electricity, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
121,046	—	243,427	50	—	3,912	—	—	1
—	—	1,249,163	—	—	—	—	—	2
—	—	—	—	136,502	352,206	—	—	3
—	—	—	111,222	992,740	—	—	—	4
—	—	—	—	—	—	—	—	5
121,046	—	1,492,590 ¹	111,272	1,129,242	356,118	—	—	6
253,201	4,310,000	2,079,109 ¹	163,739	345,804	13,379	95,346	—	7
17,750,832	—	5,790	—	25,920,446	3,499,845	1,521,318	241,155	8
232,427	954,605	494,010	1,240,201	229,834	580,525	4,100,633	1,572,190	9
—	—	—	—	—	—	162,155	—	10
18,236,460	5,264,605	2,578,909	1,403,940	26,496,084	4,093,749	5,879,452	1,813,345	11
—	—	144,937	284,082	8,998,982	30,901,999	3,017,109	—	12
—	—	—	—	—	—	303,278	—	13
—	—	144,937	284,082	8,998,982	30,901,999	3,320,387	—	14
—	—	..	—	—	—	—	—	15
1,132,660	—	2,198,100	700	—	17,898	—	—	16
—	—	11,030,499	—	—	—	—	—	17
—	—	—	—	558,139	498,122	—	—	18
—	—	—	449,398	1,424,896	—	—	—	19
—	—	—	—	—	—	—	—	20
1,132,660	—	13,228,599 ¹	450,098	1,983,035	516,020	—	—	21
38,717	646,500	249,537	23,013	46,353	2,213	14,301	—	22
1,088,965	—	593	—	1,454,770	124,199	123,350	51,588	23
41,846	194,786	88,419	209,231	39,758	114,574	755,115	401,927	24
—	—	—	—	—	—	13,899	—	25
1,169,528	841,286	338,549	232,244	1,540,881	240,986	906,665	453,515	26
—	—	51,833	40,840	1,309,457	4,707,244	816,239	—	27
—	—	—	—	—	—	34,725	—	28
—	—	51,833	40,840	1,309,457	4,707,244	850,964	—	29
—	—	..	—	—	—	—	—	30
2,302,188	841,286	13,618,981	723,182	4,833,373	5,464,250	1,757,629	453,515	31
6.18	2.26	36.58	1.94	12.98	14.67	4.72	1.22	32

TABLE 10. Fuel Used to Generate Electricity, 1962 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated — Concluded:				
	Average B.t.u. content of fuel:				
	Coal:				
1	Bituminous — Canadian per pound	12, 538	—	—	12, 581
2	Imported "	12, 675	—	—	—
3	Sub-bituminous "	8, 305	—	—	—
4	Saskatchewan lignite "	6, 720	—	—	—
5	Other —	—	—	—	—
	Petroleum fuels:				
6	Furnace fuel oil — Light per Imp. gal.	165, 348	—	—	168, 572
7	Heavy "	181, 804	183, 304	182, 495	180, 756
8	Diesel fuel oil "	165, 236	162, 962	172, 170	168, 560
9	Other "	166, 000	—	—	—
	Gas:				
10	Natural per stand. cu. ft. ²	1, 010	—	—	—
11	Manufactured "	2, 500	—	—	—
	Energy generated: ³				
	By coal				
12	Bituminous — Canadian '000 kwh.	1, 760, 521	—	—	944, 567
13	Imported "	3, 052, 154	—	—	—
14	Sub-bituminous "	621, 277	—	—	—
15	Saskatchewan lignite "	1, 019, 929	—	—	—
16	Other —	—	—	—	—
17	Total coal "	6, 453, 881	—	—	944, 567
	By petroleum fuels:				
18	Furnace fuel oil — Light "	51, 382	—	—	1, 204
19	Heavy "	1, 067, 847	59, 165	100, 377	152, 571
20	Diesel fuel oil "	134, 481	8, 150	970	19
21	Other "	1, 979	—	—	—
22	Total petroleum fuels "	1, 255, 689	67, 315	101, 347	153, 794
	By gas:				
23	Natural "	2, 965, 049	—	—	—
24	Manufactured "	55, 733	—	—	—
25	Total gas "	3, 020, 782	—	—	—
26	By other fuels "	22, 184	—	—	—
27	Total all fuels "	10, 752, 536	67, 315	101, 347	1, 098, 361
28	Per cent of total for Canada	100. 00	0. 63	0. 94	10. 21

¹ Fuel oil used in coal-fired stations for initial steam-raising; no resulting generation.² Standard cubic foot — 760 mm. mercury 60° F.

TABLE 10. Fuel Used to Generate Electricity, 1962 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
11,923	—	12,780	13,400	—	11,000	—	—	1
—	—	12,675	—	—	—	—	—	2
—	—	—	—	8,509	8,226	—	—	3
—	—	—	7,200	6,666	—	—	—	4
—	—	—	—	—	—	—	—	5
166,062	163,800	168,449	165,000	172,000	163,000	136,430	—	6
183,266	—	180,000	—	180,918	181,022	182,242	174,646	7
165,755	159,602	164,854	168,894	169,982	165,502	165,167	165,566	8
—	—	—	—	—	—	166,000	—	9
—	—	1,000	1,040	978	1,021	1,000	—	10
—	—	—	—	—	—	2,500	—	11
214,048	—	599,860	46	—	2,000	—	—	12
—	—	3,052,154	—	—	—	—	—	13
—	—	—	—	157,832	463,445	—	—	15
—	—	—	101,535	918,394	—	—	—	15
—	—	—	—	—	—	—	—	16
214,048	—	3,652,014 ¹	101,581	1,076,226	465,445	—	—	17
2,976	38,206	1,172 ¹	878	4,437	1,553	956	—	18
241,418	—	—	—	444,793	44,200	20,380	4,943	19
3,016	12,249	5,189	17,919	3,279	6,587	52,392	24,711	20
—	—	—	—	—	—	1,979	—	21
247,410	50,455	6,361	18,797	452,509	52,340	75,707	29,654	22
—	—	15,699	18,353	415,926	2,293,291	221,780	—	23
—	—	—	—	—	—	55,733	—	24
—	—	15,699	18,353	415,926	2,293,291	277,513	—	25
—	—	22,184 ⁴	—	—	—	—	—	26
461,458	50,455	3,696,258	138,731	1,944,661	2,811,076	353,220	29,654	27
4.29	0.47	34.38	1.29	18.09	26.14	3.28	0.28	28

¹ Net output after deducting station service.⁴ Nuclear generation.

TABLE 11. Employees, Wages, and Salaries, 1962

No.			Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:					
	Employees (excluding construction employees):					
1	Administrative	No.	18, 198	205	14	561
2	Operating	"	21, 805	457	159	997
3	Total employees	"	40, 003	662	173	1, 558
4	Per cent of total for Canada		100. 00	1. 66	0. 43	3. 90
	Wages and salaries (excluding construction employees):					
5	Administrative	\$'000	100, 280	945	93	2, 333
6	Operating	"	111, 708	1, 584	608	4, 373
7	Total wages and salaries	"	211, 988	2, 529	701	6, 706
8	Per cent of total for Canada		100. 00	1. 19	0. 33	3. 16
	Publicly-operated:					
	Employees (excluding construction employees):					
9	Administrative	No.	14, 346	—	8	213
10	Operating	"	16, 231	1	19	461
11	Total employees	"	30, 577	1	27	674
12	Per cent of total for Canada		100. 00	0. 00	0. 09	2. 21
	Wages and salaries (excluding construction employees):					
13	Administrative	\$'000	79, 725	—	40	859
14	Operating	"	85, 202	5	64	1, 669
15	Total wages and salaries	"	164, 927	5	104	2, 528
16	Per cent of total for Canada		100. 00	0. 00	0. 06	1. 53
	Privately-operated:					
	Employees (excluding construction employees):					
17	Administrative	No.	3, 852	205	6	348
18	Operating	"	5, 574	456	140	536
19	Total employees	"	9, 426	661	146	884
20	Per cent of total for Canada		100. 00	7. 01	1. 55	9. 38
	Wages and salaries (excluding construction employees):					
21	Administrative	\$'000	20, 555	945	53	1, 474
22	Operating	"	26, 506	1, 579	544	2, 704
23	Total wages and salaries	"	47, 061	2, 524	597	4, 178
24	Per cent of total for Canada		100. 00	5. 36	1. 27	8. 88

TABLE 11. Employees, Wages, and Salaries, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
516	5,679	7,228	1,236	822	592	1,271	74	1
779	5,171	8,798	1,368	1,344	1,146	1,402	184	2
1,295	10,850	16,026	2,604	2,166	1,738	2,673	258	3
3.24	27.12	40.06	6.51	5.41	4.35	6.68	0.64	4
2,102	31,890	42,208	6,501	3,329	3,627	6,894	358	5
2,874	25,037	49,788	6,125	6,195	6,107	8,078	939	6
4,976	56,927	91,996	12,626	9,524	9,734	14,972	1,297	7
2.35	26.86	43.40	5.96	4.49	4.59	7.06	0.61	8
507	3,062	7,100	1,233	808	171	1,181	63	9
733	2,131	8,516	1,368	1,257	507	1,089	149	10
1,240	5,193	15,616	2,601	2,063	678	2,270	212	11
4.06	16.98	51.07	8.51	6.75	2.22	7.42	0.69	12
2,057	17,886	41,500	6,487	3,241	1,076	6,305	274	13
2,665	10,943	48,278	6,125	5,761	2,442	6,500	750	14
4,722	28,829	89,778	12,612	9,002	3,518	12,805	1,024	15
2.86	17.48	54.44	7.65	5.46	2.13	7.77	0.62	16
9	2,617	128	3	14	421	90	11	17
46	3,040	282	—	87	639	313	35	18
55	5,657	410	3	101	1,060	403	46	19
0.58	60.01	4.35	0.03	1.07	11.25	4.28	0.49	20
45	14,004	708	14	88	2,551	589	84	21
209	14,094	1,510	—	434	3,665	1,578	189	22
254	28,098	2,218	14	522	6,216	2,167	273	23
0.54	59.71	4.71	0.03	1.11	13.21	4.60	0.58	24

TABLE 12. Assets and Liabilities at End of Year, 1962

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	4,198,632	68,827	10,637	85,474
2	Transmission	1,551,530	2,873	1,642	35,153
3	Distribution	1,847,865	24,480	5,360	53,991
4	Other property and equipment	369,836	9,099	411	7,596
5	Totals	7,967,863	105,279	18,050	182,214
6	Accumulated depreciation	1,420,702	17,154	2,842	41,475
7	Total, less depreciation	6,547,161	88,125	15,208	140,739
8	Other fixed assets, less depreciation	338,874	—	—	3,997
9	Total fixed assets	6,886,035	88,125	15,208	144,736
	Current assets:				
10	Cash on hand and in banks	79,466	426	198	815
11	Temporary investments	41,053	695	—	3,104
12	Accounts receivable (net)	142,566	1,579	515	3,609
13	Inventories	78,982	778	307	2,607
14	Other	21,467	14	—	695
15	Total current assets	363,534	3,492	1,020	10,830
	Investments:				
16	In associated companies	53,378	2,051	—	4,888
17	Reserve fund investments	238,014	—	—	11,685
18	Other	36,596	72	10	913
19	Total investments	327,988	2,123	10	17,486
20	Deferred charges and prepaid expenses	234,099	100	25	383
21	Other assets	38,137	989	112	631
22	Total assets	7,849,793	94,829	16,375	174,066
	Liabilities:				
23	Long-term debt	5,083,391	44,243	5,216	94,531
	Current liabilities:				
24	Accounts payable and accrued liabilities	205,036	3,516	766	6,014
25	Loans and notes payable	132,603	4,311	1,220	2,591
26	Other	89,768	132	142	688
27	Total current liabilities	427,407	7,959	2,128	9,293
28	Reserves	599,057	398	2,887	18,610
29	Deferred credits and other liabilities	120,732	2,847	1,471	3,442
	Capital and surplus:				
30	Share capital	370,025	29,293	750	25,491
31	Surplus — Capital	180,688	2,999	1,132	4,980
32	Earned	1,068,493	7,090	2,791	17,719
33	Total capital and surplus	1,619,206	39,382	4,673	48,190
34	Total liabilities	7,849,793	94,829	16,375	174,066

TABLE 12. Assets and Liabilities at End of Year, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
83,295	1,302,945	1,663,687	208,671	99,150	149,105	506,531	20,310	1
40,792	415,204	702,632	45,303	60,550	79,583	164,259	3,539	2
44,840	466,036	624,090	154,509	115,593	77,182	280,774	1,010	3
5,856	128,015	142,453	17,694	16,906	10,924	29,079	1,803	4
174,783	2,312,200	3,132,862	426,177	292,199	316,794	980,643	26,662	5
33,994	477,215	468,838	79,655	68,593	74,566	150,369	6,001	6
140,789	1,834,985	2,664,024	346,522	223,606	242,228	830,274	20,661	7
8,155	29,142	23,361	60,711	75,712	9,987	120,885	6,924	8
148,944	1,864,127	2,687,385	407,233	299,318	252,215	951,159	27,585	9
923	12,822	55,540	3,390	1,631	2,125	1,569	27	10
7,936	5,228	20,142	18	54	3,162	713	1	11
3,646	40,136	53,254	5,938	5,846	6,961	19,553	1,529	12
1,888	14,832	36,246	4,889	6,195	3,723	6,768	749	13
2,362	7,456	5,671	1,959	1,013	1,787	505	5	14
16,755	80,474	170,853	16,194	14,739	17,758	29,108	2,311	15
—	40,998	9	5	768	3,075	1,200	384	16
2,720	1,958	161,645	25,284	32,587	1,099	22	1,014	17
146	21,613	141	10,359	2,109	601	631	1	18
2,866	64,569	161,795	35,648	35,464	4,775	1,853	1,399	19
3,064	3,994	195,469	5,034	6,554	1,140	18,329	7	20
882	21,350	7,791	75	1,413	2,012	2,800	82	21
172,511	2,034,514	3,223,293	464,184	357,488	277,900	1,003,249	31,384	22
147,258	1,180,173	2,045,329	366,416	272,715	125,059	782,434	20,017	23
6,633	58,676	39,499	6,694	22,017	11,562	49,097	562	24
1	6,907	943	8,090	—	10,146	98,392	2	25
5	5,553	31,435	45,420	1,145	4,743	338	167	26
6,639	71,136	71,877	60,204	23,162	26,451	147,827	731	27
9,497	354,060	154,154	32,286	570	19,838	4,853	1,904	28
582	23,569	14,768	3,627	41,126	29,055	227	18	29
1,380	262,206	10,391	30	506	32,334	7,439	205	30
2,891	14,473	136,755	1	895	3,817	5,857	6,888	31
4,264	128,897	790,019	1,620	18,514	41,346	54,612	1,621	32
8,535	405,576	937,165	1,651	19,915	77,497	67,908	8,714	33
172,511	2,034,514	3,223,293	464,184	357,488	277,900	1,003,249	31,384	34

TABLE 12. Assets and Liabilities at End of Year, 1962 — Continued

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant.....	3,420,252	60	1,021	41,642
2	Transmission	1,276,759	—	—	12,904
3	Distribution	1,495,997	3,383	760	24,739
4	Other property and equipment	268,884	—	—	1,729
5	Totals	6,461,892	3,443	1,781	81,014
6	Accumulated depreciation	990,980	—	401	11,689
7	Total, less depreciation	5,470,912	3,443	1,380	69,325
8	Other fixed assets, less depreciation	307,630	—	—	2,947
9	Total fixed assets	5,778,542	3,443	1,380	72,272
	Current assets:				
10	Cash on hand and in banks	71,020	1	126	487
11	Temporary investments	28,611	—	—	377
12	Accounts receivable (net)	109,237	17	54	1,781
13	Inventories	66,641	—	54	1,081
14	Other.....	14,864	—	—	579
15	Total current assets	290,373	18	234	4,305
	Investments:				
16	In associated companies	2,809	—	—	1,605
17	Reserve fund investments	235,615	—	—	11,683
18	Other	25,243	—	—	90
19	Total investments.....	263,667	—	—	13,378
20	Deferred charges and prepaid expenses	227,901	—	—	84
21	Other assets	25,566	96	—	69
22	Total assets	6,586,049	3,557	1,614	90,108
	Liabilities:				
23	Long-term debt	4,563,026	—	416	61,142
	Current liabilities:				
24	Accounts payable and accrued liabilities	152,796	45	35	2,226
25	Loans and notes payable	108,943	—	57	1,572
26	Other	78,801	—	—	204
27	Total current liabilities	340,540	45	92	4,002
28	Reserves	580,438	—	46	15,633
29	Deferred credits and other liabilities	88,295	—	—	1,001
	Capital and surplus:				
30	Share capital	6,219	3,512	—	1,150
31	Surplus — Capital	154,574	—	1,060	3,981
32	Earned	852,957	—	—	3,199
33	Total capital and surplus	1,013,750	3,512	1,060	8,330
34	Total liabilities	6,586,049	3,557	1,614	90,108

TABLE 12. Assets and Liabilities at End of Year, 1962 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
81,522	820,151	1,624,721	208,671	87,138	37,984	498,138	19,204	1
40,473	258,369	689,783	45,303	59,537	12,970	154,107	3,313	2
43,296	245,507	612,813	154,111	115,378	29,851	266,159	—	3
5,580	60,627	136,827	17,551	16,134	2,523	26,460	1,453	4
170,871	1,384,654	3,064,144	425,636	278,187	83,328	944,864	23,970	5
32,748	193,415	447,149	79,400	57,710	28,412	134,761	5,295	6
138,123	1,191,239	2,616,995	346,236	220,477	54,916	810,103	18,675	7
8,155	13,171	12,859	60,711	75,712	6,266	120,885	6,924	8
146,278	1,204,410	2,629,854	406,947	296,189	61,182	930,988	25,599	9
856	8,207	53,774	3,366	1,521	1,519	1,154	9	10
7,936	197	19,212	18	54	106	711	—	11
3,297	18,972	51,639	5,888	5,819	1,796	18,858	1,116	12
1,874	8,277	35,119	4,889	5,917	2,696	6,032	702	13
2,362	2,247	5,661	1,959	1,013	538	505	—	14
16,325	37,900	165,405	16,120	14,324	6,655	27,260	1,827	15
—	4	—	—	—	—	1,200	—	16
1,820	481	161,645	25,284	32,587	1,099	2	1,014	17
130	12,013	—	10,359	2,109	532	10	—	18
1,950	12,498	161,645	35,643	34,696	1,631	1,212	1,014	19
3,009	23	194,858	5,034	6,550	69	18,267	7	20
882	12,420	7,729	75	1,410	95	2,715	75	21
168,444	1,267,251	3,159,491	463,819	353,169	69,632	980,442	28,522	22
147,251	864,329	2,021,074	366,416	272,558	35,025	775,855	18,960	23
6,400	28,303	37,052	6,661	21,730	2,179	47,900	265	24
1	1,153	886	8,090	—	16	97,168	—	25
5	464	31,272	45,190	1,097	366	120	83	26
6,406	29,920	69,210	59,941	22,827	2,561	145,188	348	27
9,497	348,159	154,143	32,286	564	13,612	4,655	1,843	28
198	14,106	12,223	3,555	41,100	16,059	53	—	29
—	1,171	—	—	—	—	386	—	30
2,461	7,785	124,168	1	895	1,880	5,830	6,513	31
2,631	1,781	778,673	1,620	15,225	495	48,475	858	32
5,092	10,737	902,841	1,621	16,120	2,375	54,691	7,371	33
168,444	1,267,251	3,159,491	463,819	353,169	69,632	980,442	28,522	34

TABLE 12. Assets and Liabilities at End of Year, 1962 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Privately-operated:				
	Assets:				
	Fixed Assets:				
	Electric utility (at original cost):				
1	Generating plant	778,380	68,767	9,616	43,832
2	Transmission	274,771	2,873	1,642	22,249
3	Distribution	351,868	21,097	4,600	29,252
4	Other property and equipment	100,952	9,099	411	5,867
5	Totals	1,505,971	101,836	16,269	101,200
6	Accumulated depreciation	429,722	17,154	2,441	29,786
7	Total, less depreciation	1,076,249	84,682	13,828	71,414
8	Other fixed assets, less depreciation	31,244	—	—	1,050
9	Total fixed assets	1,107,493	84,682	13,828	72,464
	Current assets:				
10	Cash on hand and in banks	8,446	425	72	328
11	Temporary investments	12,442	695	—	2,727
12	Accounts receivable (net)	33,329	1,562	461	1,828
13	Inventories	12,341	778	253	1,526
14	Other	6,603	14	—	116
15	Total current assets	73,161	3,474	786	6,525
	Investments:				
16	In associated companies	50,569	2,051	—	3,283
17	Reserve fund investments	2,399	—	—	2
18	Other	11,353	72	10	823
19	Total investments	64,321	2,123	10	4,108
20	Deferred charges and prepaid expenses	6,198	100	25	299
21	Other assets	12,571	893	112	562
22	Total assets	1,263,744	91,272	14,761	83,958
	Liabilities:				
23	Long-term debt	520,365	44,243	4,800	33,389
	Current liabilities:				
24	Accounts payable and accrued liabilities	52,240	3,471	731	3,788
25	Loans and notes payable	23,660	4,311	1,163	1,019
26	Other	10,967	132	142	484
27	Total current liabilities	86,867	7,914	2,036	5,291
28	Reserves	18,619	398	2,841	2,977
29	Deferred credits and other liabilities	32,437	2,847	1,471	2,441
	Capital and surplus:				
30	Share capital	363,806	25,781	750	24,341
31	Surplus — Capital	26,114	2,999	72	999
32	Earned	215,536	7,090	2,791	14,520
33	Total capital and surplus	605,456	35,870	3,613	39,860
34	Total liabilities	1,263,744	91,272	14,761	83,958

TABLE 12. Assets and Liabilities at End of Year, 1962 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
1,773	482,794	38,966	—	12,012	111,121	8,393	1,106	1
319	156,835	12,849	—	1,013	66,613	10,152	226	2
1,544	220,529	11,277	398	215	47,331	14,615	1,010	3
276	67,388	5,626	143	772	8,401	2,619	350	4
3,912	927,546	68,718	541	14,012	233,466	35,779	2,692	5
1,246	283,800	21,689	255	10,883	46,154	15,608	706	6
2,666	643,746	47,029	286	3,129	187,312	20,171	1,986	7
—	15,971	10,502	—	—	3,721	—	—	8
2,666	659,717	57,531	286	3,129	191,033	20,171	1,986	9
67	4,615	1,766	24	110	606	415	18	10
—	5,031	930	—	—	3,056	2	1	11
349	21,164	1,615	50	27	5,165	695	413	12
14	6,555	1,127	—	278	1,027	736	47	13
—	5,209	10	—	—	1,249	—	5	14
430	42,574	5,448	74	415	11,103	1,848	484	15
—	40,994	9	5	768	3,075	—	384	16
900	1,477	—	—	—	—	20	—	17
16	9,600	141	—	—	69	621	1	18
916	52,071	150	5	768	3,144	641	385	19
55	3,971	611	—	4	1,071	62	—	20
—	8,930	62	—	3	1,917	85	7	21
4,067	767,263	63,802	365	4,319	208,268	22,807	2,862	22
7	315,844	24,255	—	157	90,034	6,579	1,057	23
233	30,373	2,447	33	287	9,383	1,197	297	24
—	5,754	57	—	—	10,130	1,224	2	25
—	5,089	163	230	48	4,377	218	84	26
233	41,216	2,667	263	335	23,890	2,639	383	27
—	5,901	11	—	6	6,226	198	61	28
384	9,463	2,545	72	26	12,996	174	18	29
1,380	261,035	10,391	30	506	32,334	7,053	205	30
430	6,688	12,587	—	—	1,937	27	375	31
1,633	127,116	11,346	—	3,289	40,851	6,137	763	32
3,443	394,839	34,324	30	3,795	75,122	13,217	1,343	33
4,067	767,263	63,802	365	4,319	208,268	22,807	2,862	34

TABLE 13. Income Account, 1962

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Operating revenue:				
1	Sale of electricity ¹	1,165,445	12,943	3,151	39,759
2	Other	62,573	390	14	792
3	Total operating revenue	1,228,018	13,333	3,165	40,551
	Operating expense:				
4	Operation, maintenance and administration	393,779	3,810	1,522	17,023
5	Power purchased	259,093	927	48	6,419
6	Depreciation	156,305	2,414	426	4,474
7	Total operating expense	809,177	7,151	1,996	27,916
8	Operating income	418,841	6,182	1,169	12,635
9	Other income	17,428	187	—	442
10	Total income	436,269	6,369	1,169	13,077
	Income deductions:				
11	Interest on long-term debt	227,320	2,029	247	4,587
12	Income tax	43,119	2,027	365	3,253
13	Other deductions	40,360	195	83	1,129
14	Total income deductions	310,799	4,251	695	8,969
15	Net income	125,470	2,118	474	4,108
	Publicly-operated:				
	Operating revenue:				
16	Sale of electricity ¹	865,516	22	467	13,607
17	Other	56,955	46	8	365
18	Total operating revenue	922,471	68	475	13,972
	Operating expense:				
19	Operation, maintenance and administration	297,757	159	209	5,132
20	Power purchased	192,892	—	48	3,451
21	Depreciation	120,502	—	50	1,133
22	Total operating expense	611,151	159	307	9,716
23	Operating income	311,320	- 91	168	4,256
24	Other income	9,950	—	—	65
25	Total income	321,270	- 91	168	4,321
	Income deductions:				
26	Interest on long-term debt	206,054	—	10	3,028
27	Income tax	1,229	—	—	—
28	Other deductions	36,170	—	83	863
29	Total income deductions	243,453	—	93	3,891
30	Net income	77,817	- 91	75	430
	Privately operated:				
	Operating revenue:				
31	Sale of electricity ¹	299,929	12,921	2,684	26,152
32	Other	5,618	344	6	427
33	Total operating revenue	305,547	13,265	2,690	26,579
	Operating expense:				
34	Operation, maintenance and administration	96,022	3,651	1,313	11,891
35	Power purchased	66,201	927	—	2,968
36	Depreciation	35,803	2,414	376	3,341
37	Total operating expense	198,026	6,992	1,689	18,200
38	Operating income	107,521	6,273	1,001	8,379
39	Other income	7,478	187	—	377
40	Total income	114,999	6,460	1,001	8,756
	Income deductions:				
41	Interest on long-term debt	21,266	2,029	237	1,559
42	Income tax	41,890	2,027	365	3,253
43	Other deductions	4,190	195	—	266
44	Total income deductions	67,346	4,251	602	5,078
45	Net income	47,653	2,209	399	3,678

¹ This table is a composite summation of all the reports received. Revenue from the sale of electricity, therefore, includes duplications arising from inter-utility sales and is larger than the revenue shown in Table 6.

TABLE 13. Income Account, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
30,245	311,904	488,735	47,349	46,742	75,058	105,094	4,465	1
155	7,672	4,845	938	38	1,310	45,358	1,061	2
30,400	319,576	493,580	48,287	46,780	76,368	150,452	5,526	3
11,409	95,583	141,103	17,744	18,903	21,010	62,843	2,829	4
5,156	62,419	158,748	4,548	2,830	13,246	4,095	657	5
4,846	41,072	50,040	10,834	9,631	7,988	23,971	609	6
21,411	199,074	349,891	33,126	31,364	42,244	90,909	4,095	7
8,989	120,502	143,689	15,161	15,416	34,124	59,543	1,431	8
10	7,225	113	2,118	2,292	1,262	3,750	29	9
8,999	127,727	143,802	17,279	17,708	35,386	63,293	1,460	10
6,163	50,450	91,117	13,172	9,634	5,788	43,331	802	11
213	24,375	3,235	—	235	8,073	1,141	202	12
1,783	4,835	22,580	1,928	1,850	4,330	1,645	2	13
8,159	79,660	116,932	15,100	11,719	18,191	46,117	1,006	14
840	48,067	26,870	2,179	5,989	17,195	17,176	454	15
27,413	124,665	472,383	46,736	44,985	34,448	97,990	2,800	16
129	3,523	4,720	936	37	838	45,299	1,054	17
27,542	128,188	477,103	47,672	45,022	35,286	143,289	3,854	18
10,674	37,338	137,300	17,698	18,023	8,601	60,257	2,366	19
3,724	7,211	155,977	3,998	2,734	12,672	3,077	—	20
4,701	20,893	48,514	10,815	9,260	1,625	23,010	501	21
19,099	65,442	341,791	32,511	31,017	22,898	86,344	2,867	22
8,443	62,746	135,312	15,161	15,005	12,388	56,945	987	23
7	1,351	7	2,118	2,291	475	3,636	—	24
8,450	64,097	135,319	17,279	17,296	12,863	60,581	987	25
6,089	38,193	90,060	13,172	9,627	2,066	43,052	757	26
—	1,177	—	—	29	—	23	—	27
1,783	3,140	21,792	1,928	1,850	3,161	1,570	—	28
7,872	42,510	111,852	15,100	11,506	5,227	44,645	757	29
578	21,587	23,467	2,179	5,790	7,636	15,936	230	30
2,832	187,239	16,352	613	1,757	40,610	7,104	1,665	31
26	4,149	125	2	1	472	59	7	32
2,858	191,388	16,477	615	1,758	41,082	7,163	1,672	33
735	58,245	3,803	46	880	12,409	2,586	463	34
1,432	55,208	2,771	550	96	574	1,018	657	35
145	20,179	1,526	19	371	6,363	961	108	36
2,312	133,632	8,100	615	1,347	19,346	4,565	1,228	37
546	57,756	8,377	—	411	21,736	2,598	444	38
3	5,874	106	—	1	787	114	29	39
549	63,630	8,483	—	412	22,523	2,712	473	40
74	12,257	1,057	—	7	3,722	279	45	41
213	23,198	3,235	—	206	8,073	1,118	202	42
—	1,695	788	—	—	1,169	75	2	43
287	37,150	5,080	—	213	12,964	1,472	249	44
262	26,480	3,403	—	199	9,559	1,240	224	45

TABLE 14. Taxes, 1962

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
1	Municipal	22,968	81	71	1,554
2	Provincial	16,527	22	1	14
3	Federal	33,503	2,027	369	3,228
4	Total taxes	72,998	2,130	441	4,796
5	Per cent of total for Canada	100.00	2.92	0.60	6.57
	Publicly-operated:				
6	Municipal	13,201	—	11	239
7	Provincial	5,999	—	—	1
8	Federal	989	—	—	—
9	Total taxes	20,189	—	11	240
10	Per cent of total for Canada	100.00	—	0.05	1.19
	Privately-operated:				
11	Municipal	9,767	81	60	1,315
12	Provincial	10,528	22	1	13
13	Federal	32,514	2,027	369	3,228
14	Total taxes	52,809	2,130	430	4,556
15	Per cent of total for Canada	100.00	4.03	0.81	8.63

TABLE 15. Capital and Repair Expenditures¹

No.		1961						
		Electric utilities ²			Other industries			Grand total
		Capital	Repair	Total	Capital	Repair	Total	
		thousands of dollars						
1	Electric power generating plants including water conveying and controlling structures	177, 117	10, 851	187, 968	5, 936	3, 217	9, 153	197, 121
2	Electric transformer stations	23, 848	6, 153	30, 001	2, 497	739	3, 236	33, 237
3	Power transmission and distribution	125, 469	27, 372	152, 841	4, 122	2, 891	7, 013	159, 854
4	Street lighting	9, 041	2, 266	11, 307	6, 057	3, 805	9, 862	21, 169
5	Total generating transmission and distribution facilities	335, 475	46, 642	382, 117	18, 612	10, 652	29, 264	411, 381
6	Dams and reservoirs	33, 653	636	34, 289	...	...	...	...
7	Other facilities	43, 872	1, 922	45, 794	...	...	...	...
8	Totals	413, 000	49, 200	462, 200	...	...	...	...
9	Machinery and equipment	156, 800	29, 500	186, 300	...	...	...	...
10	Total electric utilities	569, 800	78, 700	648, 500	...	...	...	...

¹ Compiled by Business Finance Division, DBS.

TABLE 14. Taxes, 1962

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
279	6,475	6,461	859	732	3,251	3,194	11	1
36	12,065	1,101	—	37	137	3,114	—	2
216	16,773	3,564	—	205	5,863	1,049	209	3
531	35,313	11,126	859	974	9,251	7,357	220	4
0.73	48.38	15.24	1.18	1.33	12.67	10.08	0.30	5
155	1,008	5,686	859	729	1,388	3,126	—	6
2	2,815	297	—	33	—	2,851	—	7
17	45	926	—	—	—	1	—	8
174	3,868	6,909	859	762	1,388	5,978	—	9
0.86	19.16	34.22	4.25	3.78	6.88	29.61	—	10
124	5,467	775	—	3	1,863	68	11	11
34	9,250	804	—	4	137	263	—	12
199	16,728	2,638	—	205	5,863	1,048	209	13
357	31,445	4,217	—	212	7,863	1,379	220	14
0.68	59.54	7.99	—	0.40	14.89	2.61	0.42	15

TABLE 15. Capital and Repair Expenditures¹

1962							No.
Electric utilities ²			Other industries			Grand total	
Capital	Repairs	Total	Capital	Repairs	Total		
thousands of dollars							
194,275	12,345	206,620	7,696	3,256	10,952	217,572	1
23,078	5,776	28,854	2,579	686	3,265	32,119	2
147,347	27,910	175,257	7,553	2,753	10,306	185,563	3
6,247	2,410	8,657	6,775	3,652	10,427	19,084	4
370,947	48,441	419,388	24,603	10,347	34,950	454,338	5
42,703	420	43,123	...	...	...	...	6
27,150	2,139	29,289	...	...	...	...	7
440,800	51,000	491,800	...	...	...	...	8
142,594	31,560	174,154	...	...	...	...	9
583,394	82,560	665,954	...	...	...	...	10

¹ Includes Aluminum Company of Canada Ltd.

TABLE 16. Supply and Demand of Electric Energy, 1950-61
Canada

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	39,712,673	46,096,297	49,578,034	49,408,537
2	Industries	12,422,132	12,158,002	12,783,682	15,113,309
3	Totals	52,134,805	58,254,299	62,361,716	64,521,846
	Thermal-generation (net):				
4	Utilities	1,692,849	1,775,562	2,293,147	3,836,239
5	Industries	1,554,308	1,745,851	1,841,658	1,942,785
6	Totals	3,247,157	3,521,413	4,134,805	5,779,024
7	Grand total generation (3 + 6).....	55,381,962	61,775,712	66,496,521	70,300,870
8	Imports from United States	2,591	8,956	19,985	180,637
9	Imports from other provinces .....	...	...	...	...
10	Total supply of electric energy (7 + 8 + 9)	55,384,553	61,784,668	66,516,506	70,481,507
	Demand for electric energy:				
11	Residential and farm	6,750,303	7,726,114	8,741,182	9,877,727
	Manufacturing consumption:				
12	Pulp and paper	12,389,859	13,142,684	13,972,041	14,700,541
13	Smelting and refining	9,918,509	10,800,837	12,045,222	13,311,547
14	Chemicals	3,444,158	3,905,452	3,709,041	3,895,608
15	Primary iron and steel	1,835,569	2,363,325	2,600,279	1,927,431
16	Abrasives	725,705	1,121,261	934,275	1,029,784
17	Other manufacturing	4,929,668	5,544,304	5,806,352	6,404,683
18	Total manufacturing consumption (12 to 17).....	33,243,468	36,877,863	39,067,210	41,269,594
19	Mining consumption	2,530,100	2,813,306	2,942,388	2,914,609
20	Total industrial consumption (18 + 19).....	35,773,568	39,691,169	42,009,598	44,184,203
	Commercial and other consumption:				
21	At power rates	2,821,799	2,739,879	3,426,038	3,300,122
22	At commercial rates	2,809,459	3,152,501	3,489,248	3,881,423
23	Street lighting	303,276	320,722	348,246	379,815
24	Totals (21 + 22 + 23)	5,934,534	6,213,102	7,263,532	7,561,360
25	Line loss, free service and unaccounted for	5,000,281	5,778,761	6,008,984	6,434,187
26	Residual error of estimate	—	—	—	—
27	Total domestic demand (11 + 18 + 19 + 24 + 25 + 26) ..	53,458,686	59,409,146	64,023,296	68,057,477
28	Total exports to United States	1,925,867	2,375,522	2,493,210	2,424,030
29	Total exports to other provinces .....	...	...	...	...
30	Total demand for electric energy (27 + 28 + 29).....	55,384,553	61,784,668	66,516,506	70,481,507

TABLE 16. Supply and Demand of Electric Energy, 1950-61
Canada

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
53,009,910	59,773,529	64,242,172	66,040,067	71,171,268	77,767,745	83,202,548	82,325,864	1
16,320,565	16,963,976	17,613,568	17,333,153	19,337,932	19,272,085	22,680,225	21,593,377	2
69,330,475	76,737,505	81,855,740	83,373,220	90,509,200	97,039,830	105,882,773	103,919,241	3
3,282,190	3,340,340	4,403,530	5,482,927	4,781,864	5,281,140	5,953,853	7,062,771	4
1,926,917	2,143,459	2,195,339	2,258,608	2,234,525	2,349,588	2,620,568	2,731,306	5
5,209,107	5,483,799	6,598,869	7,741,535	7,016,389	7,630,728	8,574,421	9,794,077	6
74,539,582	82,221,304	88,454,609	91,114,755	97,525,589	104,670,558	114,457,194	113,713,318	7
119,024	158,562	239,173	832,974	245,062	512,002	356,878	1,394,014	8
...	...	...	...	...	...	...	...	9
74,658,606	82,379,866	88,693,782	91,947,729	97,770,651	105,182,560	114,814,072	115,107,332	10
11,280,513	12,713,204	14,338,789	15,857,618	17,290,984	19,007,111	20,397,014	21,975,672	11
15,376,028	15,177,125	15,231,703	16,049,923	18,287,599	19,371,127	20,916,595	20,821,332	12
13,675,773	15,196,100	15,375,544	14,954,989	16,372,053	15,902,306	19,735,198	18,032,758	13
4,196,480	4,247,488	4,481,714	4,831,978	5,766,263	5,947,417	6,411,146	6,207,780	14
1,578,564	2,211,757	2,676,761	2,553,634	1,818,214	2,303,183	2,512,295	2,615,444	15
790,159	1,034,460	1,127,217	1,201,933	902,249	1,070,648	1,162,801	979,495	16
6,776,410	7,339,494	8,225,143	8,681,987	9,080,782	10,331,732	10,686,698 ^f	10,872,023	17
42,393,414	45,206,424	47,118,082	48,274,444	52,227,160	54,926,413	61,424,733 ^f	59,528,832	18
3,129,504	3,427,535	4,075,465	4,339,053	4,649,256	4,809,849	4,928,387	4,825,625	19
45,522,918	48,633,959	51,193,547	52,613,497	56,876,416	59,736,262	66,353,120 ^r	64,354,457	20
3,720,320	4,152,463	4,155,401	3,717,537	3,604,434	4,556,867	4,032,465 ^f	4,814,910	21
4,210,156	4,690,922	5,191,465	5,974,378	6,414,986	6,874,678	7,943,258 ^f	8,780,988	22
406,609	435,677	473,726	511,439	554,733	584,704	656,759	726,813	23
8,337,085	9,279,062	9,820,592	10,203,354	10,574,153	12,016,249	12,632,482 ^f	14,322,711	24
6,799,782	7,320,181	8,232,578	8,378,087	8,784,705	9,634,157	10,391,756 ^f	10,523,046	25
—	—	4,607	62,693	158,475	195,737	— 472,152 ^f	— 226,085	26
71,940,298	77,946,406	83,590,113	87,115,249	93,684,733	100,589,516	109,302,220	110,949,801	27
2,718,308	4,433,460	5,103,669	4,832,480	4,085,918	4,593,044	5,511,852	4,157,531	28
...	...	...	...	...	...	...	...	29
74,658,606	82,379,866	88,693,782	91,947,729	97,770,651	105,182,560	114,814,072	115,107,332	30

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Newfoundland

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	146,461	170,898	228,875	247,187
2	Industries	912,457	885,125	930,757	868,222
3	Totals	1,058,918	1,030,023	1,159,032	1,115,409
	Thermal-generation (net):				
4	Utilities	1,009	1,538	4,416	4,240
5	Industries	27,000	25,000	30,000	25,000
6	Totals	28,009	26,538	34,416	29,240
7	Grand total generation (3 + 6)	1,086,927	1,056,561	1,194,048	1,144,649
8	Imports from United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7 + 8 + 9)	1,086,927	1,056,561	1,194,048	1,144,649
	Demand for electric energy:				
11	Residential and farm	40,051	48,258	61,577	71,977
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	934,625	886,029	968,566	913,508
19	Mining consumption	46,244	52,025	56,007	60,599
20	Total industrial consumption (18 + 19)	980,869	938,054	1,024,573	974,107
	Commercial and other consumption:				
21	At power rates	26,183	30,124	55,824	35,476
22	At commercial rates	17,213	16,618	22,928	22,556
23	Street lighting	2,537	2,737	3,823	3,859
24	Totals (21 + 22 + 23)	45,933	49,479	82,575	61,891
25	Line loss, free service and unaccounted for	20,074	20,770	25,323	36,674
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	1,086,927	1,056,561	1,194,048	1,144,649
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	—	—	—
30	Total demand for electric energy (27 + 28 + 29)	1,086,927	1,056,561	1,194,048	1,144,649

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Newfoundland

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
274,213	704,797	1,009,291	969,891	983,499	1,009,845	1,036,514	935,851	1
873,298	561,130	351,454	343,505	357,344	360,981	388,163	384,701	2
1,147,511	1,265,927	1,360,745	1,313,396	1,340,843	1,370,826	1,424,677	1,320,552	3
5,564	6,658	2,967	12,524	8,576	35,665	47,198	86,751	4
25,506	30,910	32,334	49,789	61,753	42,147	39,684	50,257	5
31,070	37,568	35,301	62,313	70,329	77,812	86,882	137,008	6
1,178,581	1,303,495	1,396,046	1,375,709	1,411,172	1,448,638	1,511,559	1,457,560	7
—	—	—	—	—	—	—	—	8
—	—	—	8,504	—	—	—	—	9
1,178,581	1,303,495	1,396,046	1,384,213	1,411,172	1,448,638	1,511,559	1,457,560	10
87,089	103,400	121,714	132,678	138,766	160,820	169,481	179,761	11
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917,464	969,733	966,182	911,183	929,525	944,966	953,905 ^r	890,727	18
66,928	73,438	98,066	108,130	107,251	111,130	118,300	133,410	19
984,392	1,043,171	1,064,248	1,019,313	1,036,776	1,056,096	1,072,205 ^r	1,024,137	20
41,630	47,574	42,231	39,839	38,357	34,949	41,955 ^r	31,382	21
25,296	29,271	32,642	35,511	37,969	41,809	50,429	57,960	22
3,979	4,411	3,883	4,073	4,112	4,429	5,065	5,351	23
70,905	81,256	78,756	79,423	80,438	81,187	97,449 ^r	94,693	24
36,195	75,668	104,391	110,663	110,963	113,141	103,924 ^r	102,712	25
—	—	— 4,559	— 2,484	7,255	— 3,899	— 16,214 ^r	— 18,967 ^r	26
1,178,581	1,303,495	1,364,550	1,339,593	1,374,198	1,407,345	1,426,845	1,382,336	27
—	—	—	—	—	—	—	—	28
—	—	31,496	44,620	36,974	41,293	84,714	75,224	29
1,178,581	1,303,495	1,396,046	1,384,213	1,411,172	1,448,638	1,511,559	1,457,560	30

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Prince Edward Island

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities.....	371	565	509	366
2	Industries	—	—	—	—
3	Totals	371	565	509	366
	Thermal-generation (net):				
4	Utilities	28,679	32,203	35,370	39,073
5	Industries	—	—	—	—
6	Totals	28,679	32,203	35,370	39,073
7	Grand total generation (3 + 6)	29,050	32,768	35,879	39,439
8	Imports from the United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7 + 8 + 9)	29,050	32,768	35,879	39,439
	Demand for electric energy:				
11	Residential and farm	10,526	11,479	11,954	13,042
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	3,273	3,614	3,656	4,275
19	Mining consumption	—	—	—	—
20	Total industrial consumption (18 + 19)	3,273	3,614	3,656	4,275
	Commercial and other consumption:				
21	At power rates	2,571	2,864	3,604	4,515
22	At commercial rates	7,815	10,063	10,926	11,094
23	Street lighting	498	521	620	766
24	Totals (21 + 22 + 23)	10,884	13,448	15,150	16,375
25	Line loss, free service and unaccounted for	4,367	4,227	5,119	5,747
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	29,050	32,768	35,879	39,439
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	—	—	—
30	Total demand for electric energy (27 + 28 + 29)	29,050	32,768	35,879	39,439

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Prince Edward Island

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
645	545	441	370	537	340	415	407	1
—	—	—	—	—	—	—	—	2
645	545	441	370	537	340	415	407	3
41,869	45,885	51,355	56,613	62,492	70,802	79,037	88,150	4
7	7	7	5	5	—	—	—	5
41,876	45,892	51,362	56,618	62,497	70,802	79,037	88,150	6
42,521	46,437	51,803	56,988	63,034	71,142	79,452	88,557	7
—	—	—	—	—	—	—	—	8
—	—	—	—	—	—	—	—	9
42,521	46,437	51,803	56,988	63,034	71,142	79,452	88,557	10
14,053	15,789	18,957	20,560	23,103	27,033	30,130	38,314 ^r	11
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5,023	4,987	5,568	5,746	5,727	8,983	8,870 ^r	8,557	18
—	—	—	—	—	—	—	—	19
5,023	4,987	5,568	5,746	5,727	8,983	8,870 ^r	8,557	20
4,739	5,160	2,503	2,131	2,994	2,959	5,312 ^r	2,972	21
11,660	12,420	15,861	18,088	19,507	19,894	20,511	24,746	22
808	785	803	995	1,017	1,238	1,208	1,037	23
17,207	18,365	19,167	21,214	23,518	24,091	27,031 ^r	28,755	24
6,238	7,296	8,012	9,375	10,582	11,035	13,421	12,931	25
—	—	99	93	104	—	—	—	26
42,521	46,437	51,803	56,988	63,034	71,142	79,452	88,557	27
—	—	—	—	—	—	—	—	28
—	—	—	—	—	—	—	—	29
42,521	46,437	51,803	56,988	63,034	71,142	79,452	88,557	30

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Nova Scotia

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	376,441	494,418	458,912	469,948
2	Industries	151,343	102,743	98,494	90,167
3	Totals	527,784	597,161	557,406	560,115
	Thermal-generation (net):				
4	Utilities	294,968	331,055	456,665	505,560
5	Industries	107,450	137,328	138,376	160,811
6	Totals	402,418	468,383	595,041	666,371
7	Grand total generation (3 + 6)	930,202	1,065,544	1,152,447	1,226,486
8	Imports from the United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7 + 8 + 9)	930,202	1,065,544	1,152,447	1,226,486
	Demand for electric energy:				
11	Residential and farm	147,522	168,349	189,712	222,194
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	374,235	444,321	472,483	498,226
19	Mining consumption	149,463	159,995	173,411	177,775
20	Total industrial consumption (18 + 19)	523,698	604,316	645,894	676,001
	Commercial and other consumption:				
21	At power rates	70,494	81,063	100,528	109,302
22	At commercial rates	72,368	76,959	85,315	89,784
23	Street lighting	8,268	8,527	8,796	9,065
24	Totals (21 + 22 + 23)	151,130	166,549	194,639	208,151
25	Line loss, free service and unaccounted for	102,118	120,101	115,560	113,230
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26) ..	924,468	1,059,315	1,145,805	1,219,576
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	5,734	6,229	6,642	6,910
30	Total demand for electric energy (27 + 28 + 29)	930,202	1,065,544	1,152,447	1,226,486

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Nova Scotia

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
526,928	499,038	554,685	498,183	606,264	640,255	618,855	512,225	1
67,648	40,937	37,676	28,310	39,336	39,195	36,309	31,785	2
594,576	539,975	592,361	526,493	645,600	679,450	655,164	544,010	3
561,116	697,403	761,004	857,135	793,202	852,688	1,042,399	1,183,598	4
137,743	137,560	127,863	150,209	123,940	117,904	116,370	133,525	5
698,859	834,963	888,867	1,007,344	917,142	970,592	1,158,769	1,317,123	6
1,293,435	1,374,938	1,481,228	1,533,837	1,562,742	1,650,042	1,813,933	1,861,133	7
—	—	—	—	—	—	—	—	8
—	—	—	—	—	—	588	15,214	9
1,293,435	1,374,938	1,481,228	1,533,837	1,562,742	1,650,042	1,814,521	1,876,347	10
248,343	281,846	319,243	356,000	385,465	434,396	461,926	512,244	11
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485,350	497,592	545,385	528,384	479,427	508,055	590,368 ^F	546,939	18
183,701	184,044	184,646	171,895	175,908	156,993	152,588	146,654	19
669,051	681,636	730,031	700,279	655,335	665,048	742,956 ^F	693,593	20
121,391	143,724	154,563	162,897	177,123	196,787	175,749 ^F	203,664	21
96,352	102,862	109,906	121,300	126,006	131,068	138,477	156,025	22
9,348	10,054	10,322	10,046	12,111	12,715	14,261	17,256	23
227,091	256,640	274,791	294,243	315,240	340,570	328,487 ^F	376,945	24
141,714	146,905	156,539	171,677	148,761	150,177	206,565 ^F	219,795	25
—	—	— 7,610	2,780	47,992	45,867	— 6,601 ^F	— 25,885	26
1,286,199	1,367,027	1,472,994	1,524,979	1,552,793	1,636,058	1,733,333	1,776,692	27
—	—	—	—	—	—	—	—	28
7,236	7,911	8,234	8,858	9,949	13,984	81,188	99,655	29
1,293,435	1,374,938	1,481,228	1,533,837	1,562,742	1,650,042	1,814,521	1,876,347	30

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
New Brunswick

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	472,271	508,832	446,439	483,846
2	Industries	69,039	69,164	69,858	74,412
3	Totals	541,310	577,996	516,297	558,258
	Thermal-generation (net):				
4	Utilities	206,830	229,817	290,013	234,104
5	Industries	283,994	279,369	283,872	327,946
6	Totals	490,824	509,186	573,885	562,050
7	Grand total generation (3 + 6)	1,032,134	1,087,182	1,090,182	1,120,308
8	Imports from United States	17	2	3	3
9	Imports from other provinces	14,651	15,776	16,981	15,001
10	Total supply of electric energy (7 + 8 + 9)	1,046,802	1,103,960	1,107,166	1,135,312
	Demand for electric energy:				
11	Residential and farm	97,752	110,734	122,859	136,213
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	767,642	798,946	772,225	790,339
19	Mining consumption	5,470	8,431	11,605	12,064
20	Total industrial consumption (18 + 19)	773,112	807,377	783,830	802,403
	Commercial and other consumption:				
21	At power rates	17,818	14,258	31,494	35,507
22	At commercial rates	54,795	55,750	61,089	65,246
23	Street lighting	7,506	7,975	8,787	9,382
24	Totals (21 + 22 + 23)	80,119	77,983	101,370	110,135
25	Line loss, free service and unaccounted for	49,658	57,305	57,648	48,031
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26) ..	1,000,641	1,053,399	1,065,707	1,096,782
28	Total exports to United States	46,128	49,561	41,459	37,975
29	Total exports to other provinces	33	—	—	555
30	Total demand for electric energy (27 + 28 + 29)	1,046,802	1,102,960	1,107,166	1,135,312

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
New Brunswick

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
654,555	497,578	454,448	634,050	954,222	1,050,563	751,809	959,464	1
66,247	53,921	68,490	72,414	68,798	65,272	64,296	61,273	2
720,802	551,499	522,938	706,464	1,023,020	1,115,835	816,105	1,020,737	3
220,566	343,998	441,622	348,883	243,428	255,353	421,131	379,788	4
323,380	396,945	398,193	349,414	346,234	452,285	501,142	511,612	5
543,946	740,943	839,815	698,297	589,662	707,638	922,273	891,400	6
1,264,748	1,292,442	1,362,753	1,404,761	1,612,682	1,823,473	1,738,378	1,912,137	7
3	3	11,451	4,525	591	151	14,724	13,512	8
17,275	18,470	21,621	23,156	25,851	27,986	96,500	118,932	9
1,282,026	1,310,915	1,395,825	1,432,442	1,639,124	1,851,610	1,849,602	2,044,581	10
153,212	171,052	195,768	225,210	253,273	300,825	328,107	362,040	11
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842,120	879,410	886,719	858,471	890,600	968,689	1,054,471 ^r	1,054,209	18
14,602	21,313	22,273	39,516	23,951	19,515	21,023	24,535	19
856,722	900,723	908,992	897,987	914,551	988,204	1,075,494 ^r	1,078,744	20
46,513	63,673	86,514	52,810	147,329	170,922	46,632 ^r	132,298	21
71,734	78,425	84,712	91,425	97,745	105,702	110,215	122,416	22
9,599	9,698	9,901	10,910	12,053	14,262	15,717	18,586	23
127,846	151,796	181,127	155,145	257,127	290,886	172,564 ^r	273,300	24
81,133	54,455	90,548	108,117	87,294	117,337	128,646	112,924	25
—	—	— 5,624	— 2,666	— 15,910	— 4,274	— 20,906	— 2,504	26
1,218,913	1,278,026	1,370,811	1,383,793	1,496,335	1,692,978	1,683,905	1,824,504	27
62,333	32,889	25,014	48,649	142,789	158,621	165,109	204,863	28
780	—	—	—	—	11	588	15,214	29
1,282,026	1,310,915	1,395,825	1,432,442	1,639,124	1,851,610	1,849,602	2,044,581	30

**TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Quebec**

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	20,555,800	22,994,531	24,847,058	24,478,750
2	Industries	7,792,295	7,753,001	8,308,774	10,355,955
3	Totals	28,348,095	30,747,532	33,155,832	34,834,705
	Thermal-generation (net):				
4	Utilities	8,810	11,666	14,296	21,714
5	Industries	108,599	111,702	119,649	111,382
6	Totals	117,409	123,368	133,945	133,096
7	Grand total generation (3 + 6)	28,465,504	30,870,900	33,289,777	34,967,801
8	Imports from United States	383	215	500	720
9	Imports from other provinces	19,310	6,538	8,678	9,421
10	Total supply of electric energy (7 + 8 + 9)	28,485,197	30,877,653	33,298,955	34,977,942
	Demand for electric energy:				
11	Residential and farm	1,199,887	1,434,277	1,680,591	1,954,815
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	17,500,178	19,535,828	21,215,383	22,639,243
19	Mining consumption	668,817	730,627	801,467	779,976
20	Total industrial consumption (18 + 19)	18,168,995	20,266,455	22,016,850	23,419,219
	Commercial and other consumption:				
21	At power rates	812,533	720,340	1,076,218	1,017,879
22	At commercial rates	712,633	786,458	860,104	981,760
23	Street lighting	58,886	63,428	70,157	77,590
24	Totals (21 + 22 + 23)	1,584,052	1,570,226	2,006,479	2,077,229
25	Line loss, free service and unaccounted for	1,637,608	1,889,932	1,918,351	2,082,658
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	22,590,542	25,160,890	27,622,271	29,533,921
28	Total exports to United States	641,772	646,993	664,978	677,975
29	Total exports to other provinces	5,252,883	5,069,770	5,011,706	4,766,046
30	Total demand for electric energy (27 + 28 + 29)	28,485,197	30,877,653	33,298,955	34,977,942

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Quebec

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
24,728,478	25,854,181	27,250,134	28,529,995	32,028,178	33,262,401	36,155,183	36,045,975	1
10,690,240	10,886,566	10,288,906	9,375,819	11,389,884	11,358,742	13,954,088	13,501,830	2
35,418,718	36,740,747	37,539,040	37,905,814	43,418,062	44,621,143	50,109,271	49,547,805	3
15,644	27,250	19,345	7,927	8,604	29,532	33,183	24,390	4
126,823	163,584	202,204	217,686	208,902	203,251	290,447	283,400	5
142,467	190,834	221,549	225,613	217,506	232,783	323,630	307,790	6
35,561,185	36,931,581	37,760,589	38,131,427	43,635,568	44,853,926	50,432,901	49,855,595	7
539	1,034	306	710	833	852	569	85	8
10,621	10,574	57,306	66,400	51,318	57,436	102,900	184,699	9
35,572,345	36,943,189	37,818,201	38,198,537	43,687,719	44,912,214	50,536,370	50,040,379	10
2,342,693	2,689,760	3,109,448	3,582,204	4,017,294	4,553,174	5,000,588	5,500,250	11
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23,080,637	23,649,068	23,145,105	23,002,859	26,544,195	26,745,458	31,450,603 ^r	29,952,738	18
848,889	1,017,490	1,159,422	1,095,977	1,094,105	1,226,912	1,277,748	1,410,076	19
23,929,526	24,666,558	24,304,527	24,098,836	27,638,300	27,972,370	32,728,351 ^r	31,362,814	20
839,042	1,169,080	1,147,237	812,945	781,964	1,184,618	936,531 ^r	1,179,025	21
1,061,791	1,196,118	1,291,314	1,420,404	1,507,370	1,669,531	1,799,100	2,009,603	22
85,450	97,273	104,929	115,800	123,636	116,183	149,959	166,992	23
1,986,283	2,462,471	2,543,480	2,349,149	2,412,970	2,970,332	2,885,590 ^r	3,355,620	24
2,161,346	2,308,301	2,543,806	2,591,911	2,856,401	2,983,863	3,386,665 ^r	3,539,992	25
—	—	36,133	83,817	229,529	184,414	1,109 ^r	8,680	26
30,419,848	32,127,090	32,537,394	32,705,917	37,154,494	38,664,153	44,002,303	43,767,356	27
659,232	665,519	673,620	549,040	526,336	555,358	569,074	406,814	28
4,493,265	4,150,580	4,607,187	4,943,580	6,006,889	5,692,703	5,964,993	5,866,209	29
35,572,345	36,943,189	37,818,201	38,198,537	43,687,719	44,912,214	50,536,370	50,040,379	30

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Ontario

No.		thousands of kilowatt-hours			
		1950	1951	1952	1953
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	12,458,421	15,726,748	16,722,830	16,323,488
2	Industries	1,360,482	1,380,329	1,383,343	1,576,649
3	Totals	13,818,903	17,107,077	18,106,173	17,900,137
	Thermal-generation (net):				
4	Utilities	110,753	112,494	419,025	1,773,947
5	Industries	641,603	721,747	706,891	683,087
6	Totals	752,356	834,241	1,125,916	2,457,034
7	Grand total generation (3 + 6)	14,571,259	17,941,318	19,232,089	20,357,171
8	Imports from United States	—	—	—	174,477
9	Imports from other provinces	5,243,966	5,060,223	5,001,367	4,757,955
10	Total supply of electric energy (7 + 8 + 9)	19,815,225	23,001,541	24,233,456	25,289,603
	Demand for electric energy:				
11	Residential and farm	3,662,862	4,148,661	4,639,536	5,166,056
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	9,455,919	10,819,447	10,978,485	11,331,932
19	Mining consumption	941,370	1,184,449	1,159,423	1,133,795
20	Total industrial consumption (18 + 19)	10,397,289	12,003,896	12,137,908	12,465,727
	Commercial and other consumption:				
21	At power rates	931,327	944,302	1,167,365	1,188,280
22	At commercial rates	1,251,450	1,446,862	1,602,981	1,803,444
23	Street lighting	142,999	149,186	164,548	180,582
24	Totals (21 + 22 + 23)	2,325,776	2,540,350	2,934,894	3,172,306
25	Line loss, free service and unaccounted for	2,364,007	2,811,382	2,935,719	3,077,341
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	18,749,934	21,504,289	22,648,057	23,881,430
28	Total exports to United States	1,046,014	1,490,714	1,576,721	1,399,307
29	Total exports to other provinces	19,277	6,538	8,678	8,866
30	Total demand for electric energy (27 + 28 + 29)	19,815,225	23,001,541	24,233,456	25,289,603

TABLE 16. Supply and Demand of Electric Energy 1950 -61 — Continued
Ontario

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
18,994,868	23,754,155	25,971,079	26,535,041	26,583,550	30,972,971	33,454,943	32,261,822	1
1,678,798	1,376,480	1,507,118	1,423,996	1,429,023	1,413,849	1,493,568	1,475,304	2
20,673,666	25,130,635	27,478,197	27,959,037	28,012,573	32,386,820	34,948,511	33,737,126	3
962,697	426,131	938,168	1,464,648	607,039	347,909	181,862	532,842	4
666,058	712,251	640,577	696,144	633,103	648,776	684,691	683,622	5
1,628,755	1,138,382	1,578,745	2,160,792	1,240,142	996,685	866,553	1,216,464	6
22,302,421	26,269,017	29,056,942	30,119,829	29,252,715	33,383,505	35,815,064	34,953,590	7
113,039	133,494	174,435	285,472	226,510	481,462	287,436	1,362,298	8
4,483,226	4,140,021	4,709,305	5,071,120	6,024,335	5,804,206	6,044,706	6,001,888	9
26,898,686	30,542,532	33,940,682	35,476,421	35,503,560	39,669,173	42,147,206	42,317,776	10
5,722,569	6,360,522	7,045,900	7,594,393	8,189,413	8,780,654	9,318,141	9,887,316	11
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11,133,582	11,994,908	12,844,362	13,422,568	13,310,293	15,012,867	15,579,234 ^r	15,673,250	18
1,196,133	1,242,794	1,634,423	1,907,547	2,299,372	2,300,703	2,286,664	2,041,911	19
12,329,715	13,237,702	14,478,785	15,330,115	15,600,665	17,313,570	17,865,898 ^r	17,715,161	20
1,597,660	1,688,961	1,643,276	1,753,977	1,437,461	1,892,136	2,095,230 ^r	2,288,658	21
1,931,122	2,145,430	2,418,518	2,609,398	2,833,584	3,067,538	3,365,929	3,765,600	22
192,095	200,000	212,535	228,684	244,962	264,160	281,023	301,341	23
3,720,877	4,034,391	4,274,329	4,592,059	4,516,007	5,223,834	5,742,182 ^r	6,355,599	24
3,269,025	3,311,105	3,781,393	3,750,744	3,813,302	4,346,858	4,388,383 ^r	4,328,292	25
—	—	— 51,042	— 36,431	— 79,431	— 52,352	— 157,497 ^r	— 9,632	26
25,042,186	26,943,720	29,529,365	31,230,880	32,048,956	35,612,564	37,157,107	38,276,736	27
1,846,659	3,588,238	4,385,356	4,222,225	3,404,051	3,865,099	4,759,717	3,526,310	28
9,841	10,574	25,961	23,316	50,553	191,510	230,382	514,730	29
26,898,686	30,542,532	33,940,682	35,476,421	35,503,560	39,669,173	42,147,206	42,317,776	30

**TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Manitoba**

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	2,445,263	2,560,322	2,694,924	2,750,270
2	Industries	1,050	875	1,376	7,537
3	Totals	2,446,313	2,561,197	2,696,300	2,757,807
	Thermal-generation (net):				
4	Utilities	4,120	4,215	4,322	3,669
5	Industries	5,632	6,689	4,632	6,655
6	Totals	9,752	10,904	8,954	10,324
7	Grand total generation (3 + 6)	2,456,065	2,572,101	2,705,254	2,768,131
8	Imports from United States	528	664	723	804
9	Imports from other provinces	474,458	483,608	501,723	508,517
10	Total supply of electric energy (7 + 8 + 9)	2,931,051	3,056,373	3,207,700	3,277,452
	Demand for electric energy:				
11	Residential and farm	689,335	759,478	825,457	898,876
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	875,534	92,286	1,006,346	1,005,029
19	Mining consumption	134,297	120,816	149,834	128,345
20	Total industrial consumption (18 + 19)	1,009,831	1,053,102	1,156,180	1,133,374
	Commercial and other consumption:				
21	At power rates	456,182	406,874	411,033	322,447
22	At commercial rates	185,802	198,226	216,755	230,186
23	Street lighting	26,838	28,005	28,498	29,116
24	Totals (21 + 22 + 23)	668,822	633,105	656,286	581,749
25	Line loss, free service and unaccounted for	295,275	317,387	301,361	317,023
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	2,663,263	2,763,072	2,939,284	2,931,022
28	Total exports to United States	1	6	6	6
29	Total exports to other provinces ¹	267,787	293,295	268,410	346,424
29	Total demand for electric energy (27 + 28 + 29)	2,931,051	3,056,373	3,207,700	3,277,452

¹ Includes re-exports to Saskatchewan.

TABLE 16. Supply and Demand of Electric Energy 1950 - 61 — Continued
Manitoba

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
3,004,268	3,099,880	3,330,439	3,331,922	3,080,140	3,540,427	3,614,725	3,536,544	1
22,557	24,928	15,955	18,474	33,026	40,000	45,195	52,698	2
3,026,825	3,124,808	3,346,394	3,350,396	3,113,166	3,580,427	3,659,920	3,589,242	3
6,455	4,056	3,249	9,099	133,878	57,996	75,761	249,614	4
8,361	8,225	15,661	17,894	5,976	4,820	6,230	7,753	5
14,816	12,281	18,910	26,993	139,854	62,816	81,991	257,367	6
3,041,641	3,137,089	3,365,304	3,377,389	3,253,020	3,643,243	3,741,911	3,846,609	7
868	993	817	—	—	—	—	—	8
516,115	524,890	555,617	505,855	540,238	728,451	789,259	1,030,184	9
3,558,624	3,662,972	3,921,738	3,883,244	3,793,258	4,371,694	4,531,170	4,876,793	10
1,003,027	1,079,155	1,172,579	1,247,563	1,337,932	1,388,330	1,454,613	1,611,758	11
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1,036,504	1,066,054	1,138,891	1,016,260	979,199	1,177,449	1,243,263 ^F	1,363,354	18
143,433	168,078	147,384	150,394	125,725	167,849	206,729	226,920	19
1,179,937	1,234,132	1,286,275	1,166,654	1,104,924	1,345,298	1,449,992 ^F	1,590,274	20
394,652	254,720	290,720	125,461	87,385	110,406	65,625 ^F	224,319	21
250,374	264,359	275,652	428,508	456,589	488,694	527,969	566,209	22
29,617	29,888	31,952	33,943	35,876	39,802	43,382	49,323	23
674,643	548,967	598,324	587,912	579,850	638,902	636,976 ^F	839,851	24
346,325	460,793	401,298	387,540	395,804	512,991	573,794 ^F	464,498	25
—	—	— 8,373	— 11,214	— 820	— 1,892	— 94,395 ^F	614	26
3,203,932	3,323,047	3,450,103	3,378,455	3,417,690	3,883,629	4,020,980	4,506,995	27
6	6	8	22	28	36	34	38	28
354,686	339,919	471,627	504,767	375,540	488,029	510,156	369,760	29
3,558,624	3,662,972	3,921,738	3,883,244	3,793,258	4,371,694	4,531,170	4,876,793	30

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Saskatchewan

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	500,720	516,142	544,447	553,459
2	Industries	946	1,760	1,738	1,170
3	Totals	501,666	517,902	546,185	554,629
	Thermal-generation (net):				
4	Utilities	402,424	462,631	534,862	620,672
5	Industries	2,330	19,526	27,789	40,353
6	Totals	404,754	482,157	562,651	661,025
7	Grand total generation (3 + 6).....	906,420	1,000,059	1,108,836	1,215,654
8	Imports from United States	87	99	104	123
9	Imports from other provinces ¹	267,787	293,295	268,410	346,424
10	Total supply of electric energy (7 + 8 + 9).....	1,174,294	1,293,453	1,377,350	1,562,201
	Demand for electric energy:				
11	Residential and farm	128,221	152,010	184,974	226,507
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	207,839	260,945	309,487	381,941
19	Mining consumption	136,833	136,129	88,049	110,835
20	Total industrial consumption (18 + 19)	344,672	397,074	397,536	492,776
	Commercial and other consumption:				
21	At power rates	68,815	76,322	71,439	78,938
22	At commercial rates	76,114	84,000	96,839	106,340
23	Street lighting	9,993	11,058	11,592	13,104
24	Totals (21 + 22 + 23)	154,922	171,380	179,870	198,382
25	Line loss, free service and unaccounted for	72,021	89,381	113,247	136,019
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	699,836	809,845	875,627	1,053,684
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	474,458	483,608	501,723	508,517
30	Total demand for electric energy (27 + 28 + 29)	1,174,294	1,293,453	1,377,350	1,562,201

¹ Includes re-imports.

**TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Saskatchewan**

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
559,300	569,401	555,466	546,148	548,272	562,072	585,888	620,052	1
4,186	—	15,772	19,872	20,208	25,294	35,941	39,919	2
563,486	569,401	571,238	566,020	568,480	587,366	621,829	659,971	3
732,979	866,566	995,520	1,132,269	1,261,298	1,436,325	1,596,454	1,801,718	4
40,995	38,263	69,504	103,598	126,383	117,389	64,803	83,415	5
773,974	940,142	1,065,024	1,235,867	1,387,681	1,553,714	1,661,257	1,885,133	6
1,337,460	1,509,543	1,636,262	1,801,887	1,956,161	2,141,080	2,283,086	2,545,104	7
182	232	258	316	365	401	414	429	8
354,686	339,919	356,122	354,425	346,397	367,560	417,751	214,804	9
1,692,328	1,849,694	1,992,642	2,156,628	2,302,923	2,508,981	2,701,251	2,760,337	10
282,542	327,369	400,215	470,075	515,158	600,526	651,391	697,207	11
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								17
415,115	437,993	447,746	462,924	463,001	502,914	577,552 ^r	404,708	18
114,160	127,400	211,523	219,398	250,036	273,391	242,710	204,418	19
530,275	565,393	659,269	682,322	713,037	776,305	820,262 ^r	609,126	20
83,781	103,696	88,054	121,051	164,352	89,938	126,487 ^r	261,737	21
126,999	133,891	158,358	166,344	163,257	277,904	290,093	252,081	22
15,187	15,772	19,291	19,725	21,006	20,536	20,469	22,187	23
225,967	253,359	265,703	307,120	348,615	388,378	437,049 ^r	536,005	24
137,429	178,683	114,718	195,400	228,263	195,262	248,658 ^r	323,227	25
—	—	— 2,729	— 2,608	— 6,179	— 4,562	— 33,172 ^r	— 30,157	26
1,176,213	1,324,804	1,437,176	1,652,309	1,798,894	1,955,909	2,124,188	2,135,408	27
—	—	—	—	—	—	—	—	28
516,115	524,890	555,466	504,319	504,029	553,072	577,063	624,929	29
1,692,328	1,849,694	1,992,642	2,156,628	2,302,923	2,508,981	2,701,251	2,760,337	30

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
Alberta

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	340,884	501,027	760,296	796,106
2	Industries	—	—	—	—
3	Totals	340,884	501,027	760,296	796,106
	Thermal-generation (net):				
4	Utilities	528,180	495,918	413,706	543,821
5	Industries	30,009	28,460	30,093	42,509
6	Totals	558,189	524,378	443,799	586,330
7	Grand total generation (3 + 6)	899,073	1,025,405	1,204,095	1,382,436
8	Imports from the United States	226	299	345	345
9	Imports from other provinces	16,430	10,932	3,521	—
10	Total supply of electric energy (7 + 8 + 9)	915,729	1,036,636	1,207,961	1,382,781
	Demand for electric energy:				
11	Residential and farm	164,205	199,287	233,236	282,152
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	303,592	334,373	364,851	424,786
19	Mining consumption	73,229	85,545	92,653	91,572
20	Total industrial consumption (18 + 19)	376,821	419,918	457,504	516,358
	Commercial and other consumption:				
21	At power rates	128,165	141,719	179,992	226,279
22	At commercial rates	120,235	137,446	154,751	167,527
23	Street lighting	13,830	16,107	16,811	17,805
24	Totals (21 + 22 + 23)	262,230	295,272	351,554	411,611
25	Line loss, free service and unaccounted for	112,473	118,609	159,306	172,120
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	915,729	1,033,086	1,201,600	1,382,241
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	3,550	6,361	540
30	Total demand for electric energy (27 + 28 + 29)	915,729	1,036,636	1,207,961	1,382,781

**TABLE 16. Supply and Demand of Electric Energy 1950 -61 — Continued
Alberta**

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
857,150	935,943	979,157	807,253	990,457	842,259	886,595	1,017,731	1
—	—	—	—	—	—	—	—	2
857,150	935,943	979,157	807,253	990,457	842,259	886,595	1,017,731	3
641,335	793,011	1,041,343	1,442,160	1,483,227	1,987,787	2,239,686	2,433,511	4
59,023	80,167	122,973	182,489	254,071	267,420	317,127	319,234	5
700,358	873,178	1,164,316	1,624,649	1,737,298	2,255,207	2,556,813	2,752,745	6
1,557,508	1,809,121	2,143,473	2,431,902	2,727,753	3,097,466	3,443,408	3,770,476	7
—	573	—	573	604	617	633	684	8
15,970	31,803	28,512	24,297	25,520	34,287	33,885	23,570	9
1,573,478	1,841,497	2,171,985	2,456,772	2,753,879	3,132,370	3,477,926	3,794,730	10
355,643	418,970	501,260	564,048	646,048	787,492	867,319	971,567	11
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469,292	542,453	639,347	786,001	870,053	920,010	988,708 ^r	1,052,618	18
82,300	86,718	105,712	109,222	102,944	130,380	171,398	148,645	19
551,592	629,171	745,059	895,223	972,997	1,050,390	1,160,106 ^r	1,201,263	20
259,441	314,442	376,553	436,366	511,040	540,839	613,565 ^r	636,067	21
189,067	215,617	245,244	276,551	299,204	340,339	380,560	523,249	22
18,476	22,992	25,585	29,853	38,393	47,696	53,733	63,170	23
466,984	553,051	647,382	742,770	848,637	928,874	1,047,858 ^r	1,222,486	24
199,259	240,305	255,191	260,902	290,851	350,373	424,389 ^r	435,626	25
—	—	23,093	— 9,310	— 10,940	10,264	— 27,390 ^r	— 37,125	26
1,573,478	1,841,497	2,171,985	2,453,633	2,747,593	3,127,393	3,472,282	3,793,817	27
—	—	—	—	—	—	—	—	28
—	—	—	3,139	6,286	4,977	5,644	913	29
1,573,478	1,841,497	2,171,985	2,456,772	2,753,879	3,132,370	3,477,926	3,794,730	30

TABLE 16. Supply and Demand of Electric Energy 1950 - 61 - Continued
British Columbia

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	2,389,310	2,592,052	2,835,736	3,252,495
2	Industries	2,087,976	1,943,994	1,937,981	2,092,634
3	Totals	4,477,286	4,536,046	4,773,717	5,345,129
	Thermal-generation (net):				
4	Utilities	106,064	92,750	119,162	87,998
5	Industries	337,148	405,703	489,640	534,182
6	Totals	443,212	498,453	608,802	622,180
7	Grand total generation (3 + 6)	4,920,498	5,034,499	5,382,519	5,967,309
8	Imports from the United States	1,350	7,677	18,310	4,165
9	Imports from other provinces	—	3,550	6,361	540
10	Total supply of electric energy (7 + 8 + 9)	4,921,848	5,045,726	5,407,190	5,972,014
	Demand for electric energy:				
11	Residential and farm	607,427	690,904	788,168	902,341
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	2,820,059	2,861,704	2,974,929	3,279,168
19	Mining consumption	315,213	277,412	327,924	328,842
20	Total industrial consumption (18 + 19)	3,135,272	3,139,116	3,302,853	3,608,010
	Commercial and other consumption:				
21	At power rates	290,382	300,197	320,547	275,662
22	At commercial rates	309,356	337,972	374,645	399,621
23	Street lighting	31,771	32,930	34,421	38,346
24	Totals (21 + 22 + 23)	631,509	671,099	729,613	713,629
25	Line loss, free service and unaccounted for	339,258	345,427	372,989	439,267
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	4,713,466	4,846,546	5,193,623	5,663,247
28	Total exports to United States	191,952	188,248	210,046	308,767
29	Total exports to other provinces	16,430	10,932	3,521	—
30	Total demand for electric energy (27 + 28 + 29)	4,921,848	5,045,726	5,407,190	5,972,014

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Continued
British Columbia

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
3,354,547	3,797,185	4,074,749	4,118,052	5,308,059	5,781,342	5,985,887	6,302,285	1
2,876,739	3,952,138	5,275,809	5,998,284	5,946,684	5,919,897	6,614,607	5,997,345	2
6,231,286	7,749,323	9,350,558	10,116,336	11,254,743	11,701,239	12,600,494	12,299,630	3
92,073	126,123	147,084	147,422	172,629	195,391	219,158	256,143	4
520,541	540,857	573,086	460,279	455,331	476,587	588,731	648,680	5
612,614	666,980	720,170	607,701	627,960	671,978	807,889	904,823	6
6,843,900	8,416,303	10,070,728	10,724,037	11,882,703	12,373,217	13,408,383	13,204,453	7
4,393	22,233	51,906	541,378	16,159	28,519	53,102	17,006	8
—	—	—	3,139	2,081	1,803	3,024	913	9
6,848,293	8,438,536	10,122,634	11,268,554	11,900,943	12,403,539	13,464,509	13,222,372	10
1,063,647	1,256,002	1,445,059	1,657,619	1,775,996	1,963,660	2,102,048	2,199,441	11
								12
								13
								14
								15
								16
								17
4,005,886	5,162,816	6,497,356	7,278,259	7,753,154	8,134,543	8,975,544 ^F	8,579,821	18
383,618	398,147	408,014	420,969	342,878	312,097	340,675	370,518	19
4,389,504	5,560,963	6,905,370	7,699,228	8,096,032	8,446,640	9,316,219 ^F	8,950,339	20
325,118	354,597	321,351	208,764	247,973	294,944	— 110,622 ^F	— 195,032	21
443,823	510,228	556,576	798,711	867,938	718,117	1,245,836 ^F	1,293,005	22
41,826	44,592	54,296	57,218	61,353	63,485	71,680	81,348	23
810,767	909,417	932,223	1,064,693	1,177,264	1,076,546	1,206,894 ^F	1,179,321	24
418,327	533,543	767,651	789,310	830,092	841,531	904,696 ^F	958,835	25
—	—	24,148	20,863	— 16,675	25,142	— 117,151 ^F	— 108,640	26
6,682,245	8,259,925	10,074,451	11,231,713	11,862,709	12,353,519	13,412,706	13,179,296	27
150,078	146,808	19,671	12,544	12,714	13,930	17,918	19,506	28
15,970	31,803	28,512	24,297	25,520	34,287	33,885	23,570	29
6,848,293	8,438,536	10,122,634	11,268,554	11,900,943	12,401,736	13,464,509	13,222,372	30

TABLE 16. Supply and Demand of Electric Energy 1950-61 — Concluded
Yukon and Northwest Territories

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	26,731	30,762	38,008	52,622
2	Industries	46,544	47,011	51,361	46,563
3	Totals	73,275	77,773	89,369	99,185
	Thermal-generation (net):				
4	Utilities	1,012	1,275	1,310	1,441
5	Industries	10,543	10,327	10,716	10,860
6	Totals	11,555	11,602	12,026	12,301
7	Grand total generation (3 + 6)	84,830	89,375	101,395	111,486
8	Imports from United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7 + 8 + 9)	84,830	89,375	101,395	111,486
	Demand for electric energy:				
11	Residential and farm	2,515	2,677	3,118	3,554
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	572	370	799	1,147
19	Mining consumption	59,164	57,877	82,015	90,806
20	Total industrial consumption (18 + 19)	59,736	58,247	82,814	91,953
	Commercial and other consumption:				
21	At power rates	17,329	21,816	7,994	5,837
22	At commercial rates	1,678	2,147	2,915	3,865
23	Street lighting	150	248	193	200
24	Totals (21 + 22 + 23)	19,157	24,211	11,102	9,902
25	Line loss, free service and unaccounted for	3,422	4,240	4,361	6,077
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	84,830	89,375	101,395	111,486
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	—	—	—
30	Total demand for electric energy (27 + 28 + 29)	84,830	89,375	101,395	111,486

TABLE 16. Supply and Demand of Electric Energy 1950-61 -- Concluded
Yukon and Northwest Territories

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
54,958	60,826	62,283	69,162	88,090	105,270	111,734	133,508	1
48,445	54,771	52,388	52,479	53,629	48,855	48,058	48,522	2
103,403	115,597	114,671	121,641	141,719	154,125	159,792	182,030	3
1,892	3,259	1,873	4,247	7,491	11,692	17,984	26,266	4
10,887	12,482	12,937	31,101	18,827	19,009	11,343	9,808	5
12,779	15,741	14,810	35,348	26,318	30,701	29,327	36,074	6
116,182	131,338	129,481	156,989	168,037	184,826	189,119	218,104	7
—	—	—	—	—	—	—	—	8
—	—	—	—	—	—	—	—	9
116,182	131,338	129,481	156,989	168,037	184,826	189,119	218,104	10
7,695	9,339	8,646	7,268	8,536	10,201	13,270	15,774	11
								12
								13
								14
								15
								16
								17
1,441	1,410	1,421	1,789	1,986	2,479	2,215 ^r	1,911	18
95,740	108,113	104,002	116,005	127,086	110,879	110,552	118,538	19
97,181	109,523	105,423	117,794	129,072	113,358	112,767 ^r	120,449	20
6,353	6,836	2,399	1,296	8,456	38,369	36,001 ^r	49,820	21
1,938	2,301	2,682	8,138	5,817	14,082	14,139	10,094	22
224	212	229	192	214	198	262	222	23
8,515	9,349	5,310	9,626	14,487	52,649	50,402 ^r	60,136	24
2,791	3,127	9,031	2,448	12,392	11,589	12,615 ^r	24,214	25
—	—	1,071	19,853	3,550	— 2,971	65 ^r	— 2,469	26
116,182	131,338	129,481	156,989	168,037	184,826	189,119	218,104	27
—	—	—	—	—	—	—	—	28
—	—	—	—	—	—	—	—	29
116,182	131,338	129,481	156,989	168,037	184,826	189,119	218,104	30

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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- p preliminary figures.
- r revised figures.

INTRODUCTION

Total installed generating capacity in Canada at the end of 1963 amounted to 26,300,644 kilowatts, 5.3 per cent more than the total of 24,967,000 kilowatts in 1962. Utilities accounted for 21,200,117 kilowatts compared with 20,382,963 kilowatts in 1962, while industry had a capacity of 5,100,527 kilowatts and 4,584,037 kilowatts in 1963 and 1962 respectively. Hydraulic installations in 1963 accounted for 76.2 per cent of the total and thermal plants, 23.8 per cent compared with 77.5 and 22.5 in 1962. New hydro installations in 1963 exceeded new thermal installations for the first time in three years.

Quebec had the largest generating capacity at 9,567,017 kilowatts or 36.3 per cent of the national total, followed by Ontario with 32.1 per cent and British Columbia with 13.1 per cent. The largest increase in generating capacity was in British Columbia where the increase amounted to 460,156 kilowatts. Ontario increased its capacity by 277,126 kilowatts; Quebec by 246,692 kilowatts; Newfoundland by 94,910 kilowatts; Saskatchewan by 94,611 kilowatts and Alberta by 82,487 kilowatts. The report "Inventory of Prime Mover and Electric Generating Equipment as at December 31, 1961" Catalogue No. 57-502 gives additional details on generating stations.

The largest thermal generating capacities were in Ontario with 40.9 per cent, Alberta with 14.1 per cent, British Columbia with 13.7 per cent and Saskatchewan with 9.9 per cent.

The greatest increase in thermal capacity occurred in British Columbia where two 162,000 kilowatt units at the Burrard generating station were in service in 1963. One of these units was installed in 1962 but was not included in the 1962 report. In Alberta, the City of Edmonton completed the installation of a 75,000 kilowatt unit in its steam plant. A 60,000 kilowatt unit was added to the Grand Lake No. 2 station in New Brunswick.

The increase in hydraulic capacity in Quebec was accounted for by six additional 46,750 kilowatt units which were placed in service during 1963 in the Hydro Quebec Carillon plant. Ontario Hydro added two 43,700 kilowatt generators to the Otter Rapids hydro plant and two 60,800 kilowatt generators to the Little Long plant. The year 1963 marked the first time that hydro-electric power generated in Saskatchewan was fed into the Saskatchewan Power Corporation system. This was accomplished by the installation of 134,000 kilowatts in four units at the Squaw Rapids generating station. In Newfoundland, the Twin Falls Power Corporation added two 46,800 kilowatt generators to its plant on the Unknown River in Labrador.

Net generation (total generation less energy used in generating station service) increased 4.0 per cent in 1963 to 122,238,194 thousand kilowatt-hours

from 117,468,748 thousand kilowatt-hours one year earlier. Generation by electric utilities increased 1.5 per cent to 93,501,226 thousand kilowatt-hours from 92,096,096 thousand kilowatt-hours while accounting for 76.5 per cent of total production compared with 78.4 per cent in 1962. Generation by industry rose to 28,736,968 thousand kilowatt-hours from 25,372,652 thousand kilowatt-hours a year earlier.

Generation from hydraulic facilities amounted to 84.9 per cent while thermal was 15.1 per cent. Although Quebec had 36 per cent of total generating capacity in 1963, it accounted for 41 per cent of total generation, followed by Ontario with 31 per cent and British Columbia with 13 per cent.

Electric energy made available in Canada increased 4.6 per cent and total generation increased 4.1 per cent. Imports rose to 2,884,283 thousand kilowatt-hours from 2,778,709 thousand kilowatt-hours and exports decreased 13.8 per cent to 3,612,834 thousand kilowatt-hours from 4,112,411 thousand kilowatt-hours. Secondary energy consumption in electric boilers amounted to 3,973,601 thousand kilowatt-hours as compared with 4,776,381 thousand kilowatt-hours in 1962, a decrease of 16.8 per cent.

In 1963, there were 688,379 thousand kilowatt-hours of secondary energy consumed for uses other than electric boilers. Comparable date for 1962 is not available.

Of the total reported available for use in Canada in 1963, some 22,194,983 thousand kilowatt-hours including 1,013,507 estimated as losses, represented generation by industrial establishments for own use. This compares with 22,158,248 thousand kilowatt-hours in 1962.

Total sales of electricity to ultimate customers increased 5.9 per cent to 89,209,338 thousand kilowatt-hours from the 1962 total of 84,266,620 thousand kilowatt-hours. Power customers purchased 52,129,700 thousand kilowatt-hours or 58.4 per cent of the total (59.3 per cent in 1962); domestic and farm customers, 25,321,606 thousand or 28.4 per cent (28.1 in 1962); and commercial customers, 10,887,336 thousand or 12.2 per cent (11.7). Street lighting accounted for the remaining 870,696 thousand kilowatt-hours of electricity sold. In addition, some 10,105,322 thousand kilowatt-hours of energy available for disposal were reported lost and unaccounted for. This compares with 9,710,178 thousand kilowatt-hours in 1962. Generation for own use by utilities is included in the "losses and unaccounted for" category.

A 2.1 per cent rise in the number of ultimate customers brought the total to 5,654,854 from 5,539,403 in 1962. Domestic and farm customers increased 2.3 per cent to 4,975,066 from 4,864,464,

while the number of commercial customers showed a rise to 575,929 from 562,504. Power customers, however decreased 9.1 per cent in 1963 to 96,774 from 106,507. This decrease is attributable to reclassification of customers in the power and commercial categories. In addition, the number of commercial customers in Manitoba was overstated in the 1962 report.

Revenue received from sales to ultimate customers totalled \$966,162,000, up 6.4 per cent from the 1962 total of \$908,479,000. Domestic and farm customers produced revenues of \$383,983,000 versus \$365,990,000; commercial customers, \$200,929,000 versus \$185,093,000; power customers, \$359,541,000 versus \$337,257,000 and street lighting customers, \$21,709,000 versus \$20,139,000. Revenue obtained from export sales amounted to \$6,653,000 compared with \$8,570,000^r in 1962.

The average revenue per kilowatt-hour for domestic and farm service declined 1.3 per cent to 1.52 cents from 1.54 cents in 1962.

The average annual bill for domestic and farm customers rose 2.5 per cent in 1963 to \$77.10 from \$75.24 in 1962. The increase was due to a rise in average consumption of 4.4 per cent to 5,084 kilowatt-hours from 4,870 kilowatt-hours in 1962. Averages varied widely from province to province, the low of 2,023 kilowatt-hours being recorded in Prince Edward Island and the high of 6,630 kilowatt-hours being registered in Manitoba. While many utilities do not distinguish between farm and domestic customers in their records, those that have reported farm service separately show an average increase in consumption of 15.0 per cent to 5,985 kilowatt-hours from 5,204 kilowatt-hours and an increase in the average annual bill to \$117.16 from \$106.55. The average cost of farm service dropped from 2.05 to 1.96 cents per kilowatt-hour.

Electric utilities reported an expenditure of \$52,428,040 on fuel for thermal electric plants in 1963, an increase of 41.1 per cent from the \$37,167,669^r reported one year earlier. The amount spent on oil increased 24.9 per cent to \$9,301,110 from \$7,448,298^r and on natural gas 6.6 per cent to \$7,421,504 from \$6,960,338. At the same time, expenditure for coal increased 56.7 per cent to \$35,671,129 from \$22,759,033.

Coal accounted for 68.9 per cent of total thermal generation in 1963 against 60.0 per cent in 1962; natural gas was responsible for 22.4 per cent and petroleum fuels 8.1 per cent in 1963 as compared with 28.1 and 8.4 per cent respectively in 1962.

Wages and salaries paid by the electric utility industry amounted to \$226,302,000 in 1963, an increase of 6.8 per cent over the \$211,988,000 in 1962. Publicly-operated utilities reported wages and salaries totalling \$203,413,000 in 1963, an increase of 23.3 per cent from the \$164,927,000 in 1962 while privately-operated utilities paid \$22,889,000 as

against \$47,061,000. Employees, (excluding construction workers), showed an increase in number to 41,344 from 40,003 in 1962. A total of 36,768 were employed by publicly-operated utilities versus 30,577 one year earlier.

Total assets of the electric utility industry stood at \$8,384,131,000 at the end of 1963 compared with \$7,849,793,000 one year earlier, an increase of \$534,338,000 or 6.8 per cent. Total electric utility fixed assets after depreciation amounted to \$7,300,530,000 as against \$6,886,035,000 in 1962, an increase of \$414,495,000. This increase in fixed assets was financed by an increase of \$579,831,000 in long term debt.

Operating revenues of electric utilities were 3.4 per cent lower in 1963, decreasing to \$1,186,822,000 from the 1962 total of \$1,228,018,000. Operating expenses were also down to \$787,157,000 from \$809,177,000, a decrease of 2.7 per cent and operating income decreased 4.6 per cent to \$399,665,000 from \$418,841,000. Net income in 1963, therefore decreased 25.7 per cent to \$93,225,000 from \$125,470,000. This decrease is largely attributable to the fact that Hydro-Quebec purchased the major privately owned systems in the province of Quebec. The financial data for these systems has been consolidated and hence revenue from interchanges among the former privately owned systems is not reflected in the Income Account.

Federal, provincial and municipal taxes paid by electric utilities in 1963 have been refined. In previous years, a certain amount of income tax and sales tax were included in federal and provincial categories, therefore, 1963 data is considerably lower due to the exclusion of these amounts. Municipal taxes were up to \$25,745,000 from \$22,968,000. Provincial and federal taxes were reported at \$7,064,000 and \$1,515,000 respectively.

Utilities' expenditures on capital and repair projects, for generating, transmission and distribution facilities (Table 15) showed an increase of some 42 million dollars to 461 million in 1963 from 419 million in 1962.

Table 16 gives an historical summary of supply and demand for the years 1950-61. The industrial consumption of electric energy is based, in part, on data collected by the Industry Division of the Dominion Bureau of Statistics in the Census of Manufactures reports. Due to the fact that these reports are concerned primarily with consumers rather than producers of electric energy and are completed on the basis of different concepts and for different reporting periods, considerable difficulty is encountered in reconciling the two sets of data. For example, energy transferred between two establishments within the same organization may be reported under purchases in Census of Manufactures reports but as produced for own use in Electric Power Statistics reports.

Another example of different concepts in the two reports appears in the "commercial and other consumption" category. Commercial consumption at power rates is calculated by deducting purchases as shown in the Census of Manufactures reports from power sales as shown in the Electric Power Statistics reports. In 1960 and 1961, in the province of British Columbia a reclassification of customers from "power" to "commercial" has resulted in a net negative amount recorded in the "power rates" category. This negative amount is offset by the large increase in consumption in the commercial "at commercial rates" category.

In order to bring the different concepts to a common basis, the "generated for own use" and "purchased" figures are adjusted from the figures in the Census of Manufactures publications and are in conformity with the figures used in Electric Power Statistics.

Consumption of electric energy in each province for certain manufacturing groups is confidential due to the limited number of firms in any one group. As a result, only the total manufacturing consumption has been shown in the provincial tabulations in Table 16.

During the eleven year period 1950-61, total net generation increased at an annual compound rate of 6.8 per cent. The largest increase was 10.8 per cent in Alberta followed by Prince Edward Island, Saskatchewan and British Columbia with increases of 10.7 per cent, 9.8 per cent and 9.4 per cent respectively.

Net hydro-generation increased at an annual compound rate of 6.5 per cent between 1950 and 1961 while net thermal-generation increased at a 10.5 per cent rate.

Residential and farm consumption of electric energy increased at a compound growth rate of 16.3 per cent over the eleven year period 1950-61 while consumption by industrial and commercial consumers rose 5.5 per cent and 8.4 per cent respectively. Of the individual industries, mining showed the largest growth rate (6.0 per cent) followed by smelting and refining (5.6 per cent).

The data in this table is similar to that which appeared in the 1962 publication. Complete figures for 1962 were not available at the time of printing of this publication.

TABLE 1. Installed Generating Capacity at End of Year, 1963

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		nameplate rating in kilowatts			
	Electric utilities and industrial establishments:				
1	Hydro:				
	Water-wheels and turbines	20, 100, 389	452, 570	—	142, 930
2	Thermal:				
	Steam engines and turbines	5, 438, 145	45, 000	50, 500	378, 528
3	Internal combustion engines	361, 273	15, 477	6, 891	8, 740
4	Gas turbines	400, 837	—	—	—
5	Total thermal	6, 200, 255	60, 477	57, 391	387, 268
6	Total installed generating capacity	26, 300, 644	513, 047	57, 391	530, 198
7	Per cent of total for Canada	100.00	1.95	0.22	2.02
	Electric utilities:				
	Publicly and privately-operated:				
8	Hydro:				
	Water-wheels and turbines	15, 885, 084	387, 480	—	137, 580
9	Thermal:				
	Steam engines and turbines	4, 609, 975	35, 000	50, 500	326, 250
10	Internal combustion engines	312, 658	13, 927	6, 891	8, 140
11	Gas turbines	392, 400	—	—	—
12	Total thermal	5, 315, 033	48, 927	57, 391	334, 390
13	Total installed generating capacity	21, 200, 117	436, 407	57, 391	471, 970
14	Per cent of total for Canada	100.00	2.06	0.27	2.23
	Publicly-operated:				
15	Hydro:				
	Water-wheels and turbines	14, 080, 041	—	—	97, 768
16	Thermal:				
	Steam engines and turbines	3, 936, 975	—	—	86, 750
17	Internal combustion engines	249, 895	5, 190	6, 891	6, 220
18	Gas turbines	373, 900	—	—	—
19	Total thermal	4, 560, 770	5, 190	6, 891	92, 970
20	Total installed generating capacity	18, 640, 811	5, 190	6, 891	190, 738
21	Per cent of total for Canada	100.00	0.03	0.04	1.02
	Privately-operated:				
22	Hydro:				
	Water-wheels and turbines	1, 805, 043	387, 480	—	39, 812
23	Thermal:				
	Steam engines and turbines	673, 000	35, 000	50, 500	239, 500
24	Internal combustion engines	62, 763	8, 737	—	1, 920
25	Gas turbines	18, 500	—	—	—
26	Total thermal	754, 263	43, 737	50, 500	241, 420
27	Total installed generating capacity	2, 559, 306	431, 217	50, 500	281, 232
28	Per cent of total for Canada	100.00	16.85	1.97	10.99
	Industrial establishments:				
29	Hydro:				
	Water-wheels and turbines	4, 215, 305	65, 090	—	5, 350
30	Thermal:				
	Steam engines and turbines	828, 170	10, 000	—	52, 278
31	Internal combustion engines	48, 615	1, 550	—	600
32	Gas turbines	8, 437	—	—	—
33	Total thermal	885, 222	11, 550	—	52, 878
34	Total installed generating capacity	5, 100, 527	76, 640	—	58, 228
35	Per cent of total for Canada	100.00	1.50	—	1.14

¹ Includes 20,000 Kw. nuclear generating capacity.

TABLE 1. Installed Generating Capacity at End of Year, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
nameplate rating in kilowatts								
227,881	9,404,905	5,923,377	746,750	253,040	290,790	2,612,596	45,550	1
293,662	70,800	2,501,130 ¹	321,600	517,000	726,525	532,800	600	2
9,382	55,312	31,986	17,747	43,441	35,391	120,638	16,268	3
—	36,000	—	4,000	53,360	110,937	195,040	1,500	4
303,044	162,112	2,533,116	343,347	613,801	872,853	848,478	18,368	5
530,925	9,567,017	8,456,493	1,090,097	866,841	1,163,643	3,461,074	63,918	6
2.02	36.38	32.15	4.14	3.30	4.41	13.17	0.24	7
216,636	6,780,080	5,679,036	736,400	240,740	290,790	1,384,202	32,140	8
197,250	—	2,184,000	314,000	509,000	669,375	324,000	600	9
9,382	49,327	30,636	13,305	32,835	25,931	106,536	15,748	10
—	36,000	—	4,000	53,360	102,500	195,040	1,500	11
206,632	85,327	2,214,636	331,305	595,195	797,806	625,576	17,848	12
423,268	6,865,407	7,893,672	1,067,705	835,935	1,088,596	2,009,778	49,988	13
2.00	32.38	37.23	5.04	3.94	5.13	9.48	0.24	14
206,596	6,200,555	5,364,036	736,400	134,000	—	1,310,196	30,490	15
197,250	—	2,184,000	314,000	509,000	321,375	324,000	600	16
8,382	39,940	25,061	13,305	32,835	1,456	99,432	11,183	17
—	36,000	—	4,000	53,360	84,000	195,040	1,500	18
205,632	75,940	2,209,061	331,305	595,195	406,831	618,472	13,283	19
412,228	6,276,495	7,573,097	1,067,705	729,195	406,831	1,928,668	43,773	20
2.21	33.67	40.63	5.73	3.91	2.18	10.35	0.23	21
10,040	579,525	315,000	—	106,740	290,790	74,006	1,650	22
—	—	—	—	—	348,000	—	—	23
1,000	9,387	5,575	—	—	24,475	7,104	4,565	24
—	—	—	—	—	18,500	—	—	25
1,000	9,387	5,575	—	—	390,975	7,104	4,565	26
11,040	588,912	320,575	—	106,740	681,765	81,110	6,215	27
0.43	23.01	12.53	—	4.17	26.64	3.17	0.24	28
11,245	2,624,825	244,341	10,350	12,300	—	1,228,394	13,410	29
96,412	70,800	317,130	7,600	8,000	57,150	208,800	—	30
—	5,985	1,350	4,442	10,606	9,460	14,102	520	31
—	—	—	—	—	8,437	—	—	32
96,412	76,785	318,480	12,042	18,606	75,047	222,902	520	33
107,657	2,701,610	562,821	22,392	30,906	75,047	1,451,296	13,930	34
2.11	52.97	11.03	0.44	0.61	1.47	28.46	0.27	35

TABLE 2. Generation of Energy, 1963

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
	Hydro:				
1	Water-wheels and turbines	103,831,866	1,946,874	—	804,913
	Thermal:				
2	Steam engines and turbines	17,317,741	95,998	102,390	1,319,631
3	Internal combustion engines	717,937	26,732	8,750	11,384
4	Gas turbines	370,650	—	—	—
5	Total thermal	18,406,328	122,730	111,140	1,331,015
6	Total energy generated	122,238,194	2,069,604	111,140	2,135,928
7	Per cent of total for Canada	100.00	1.69	0.09	1.75
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines	78,112,761	1,552,343	—	767,205
	Thermal:				
9	Steam engines and turbines	14,411,521	42,998	102,390	1,105,950
10	Internal combustion engines	648,561	26,075	8,750	11,384
11	Gas turbines	328,383	—	—	—
12	Total thermal	15,388,465	69,073	111,140	1,117,334
13	Total energy generated	93,501,226	1,621,416	111,140	1,884,539
14	Per cent of total for Canada	100.00	1.73	0.11	2.02
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	69,667,658	—	—	533,056
	Thermal:				
16	Steam engines and turbines	11,552,273	—	—	224,497
17	Internal combustion engines	563,962	16,964	8,750	11,384
18	Gas turbines	212,653	—	—	—
19	Total thermal	12,328,888	16,964	8,750	235,881
20	Total energy generated	81,996,546	16,964	8,750	768,937
21	Per cent of total for Canada	100.00	0.02	0.01	0.94
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	8,445,103	1,552,343	—	234,149
	Thermal:				
23	Steam engines and turbines	2,859,248	42,998	102,390	881,453
24	Internal combustion engines	84,599	9,111	—	—
25	Gas turbines	115,730	—	—	—
26	Total thermal	3,059,577	52,109	102,390	881,453
27	Total energy generated	11,504,680	1,604,452	102,390	1,115,602
28	Per cent of total for Canada	100.00	13.95	0.89	9.70
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	25,719,105	394,531	—	37,708
	Thermal:				
30	Steam engines and turbines	2,906,220	53,000	—	213,681
31	Internal combustion engines	69,376	657	—	—
32	Gas turbines	42,267	—	—	—
33	Total thermal	3,017,863	53,657	—	213,681
34	Total energy generated	28,736,968	448,188	—	251,389
35	Per cent of total for Canada	100.00	1.56	—	0.88

¹ Kilowatt-hours generated after deducting station service.

TABLE 2. Generation of Energy, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
1,279,307	49,555,200	29,139,855	4,737,458	988,978	881,167	14,297,833	200,281	1
1,020,544	332,683	8,393,718 ²	70,509	1,836,871	3,321,866	821,534	1,997	2
10,905	45,162	75,489	47,242	57,554	67,722	330,041	36,956	3
—	727	—	—	107,973	260,490	1,460	—	4
1,031,449	378,572	8,469,207	117,751	2,002,398	3,650,078	1,153,035	38,953	5
2,310,756	49,933,772	37,609,062	4,855,209	2,991,376	4,531,245	15,450,868	239,234	6
1.89	40.85	30.77	3.97	2.45	3.71	12.64	0.19	7
1,194,944	33,124,824	27,695,467	4,677,381	911,511	881,167	7,154,661	153,258	8
477,424	—	7,739,689	61,416	1,799,971	3,005,622	74,064	1,997	9
10,905	43,762	66,853	46,661	55,548	36,302	311,627	30,694	10
—	727	—	—	107,965	218,231	1,460	—	11
488,329	44,489	7,806,542	108,077	1,963,484	3,260,155	387,151	32,691	12
1,683,273	33,169,313	35,502,009	4,785,458	2,874,995	4,141,322	7,541,812	185,949	13
1.80	35.47	37.97	5.12	3.08	4.43	8.07	0.20	14
1,123,794	29,692,564	26,537,459	4,677,381	258,419	—	6,702,315	142,670	15
477,424	—	7,739,689	61,416	1,799,971	1,173,215	74,064	1,997	16
10,905	36,732	50,948	46,661	55,548	1,970	300,451	23,649	17
—	727	—	—	107,965	102,501	1,460	—	18
488,329	37,459	7,790,637	108,077	1,963,484	1,277,686	375,975	25,646	19
1,612,123	29,730,023	34,328,096	4,785,458	2,221,903	1,277,686	7,078,290	168,316	20
1.97	36.26	41.87	5.84	2.71	1.55	8.63	0.20	21
71,150	3,432,260	1,158,008	—	653,092	881,167	452,346	10,588	22
—	—	—	—	—	1,832,407	—	—	23
—	7,030	15,905	—	—	34,332	11,176	7,045	24
—	—	—	—	—	115,730	—	—	25
—	7,030	15,905	—	—	1,982,469	11,176	7,045	26
71,150	3,439,290	1,173,913	—	653,092	2,863,636	463,522	17,633	27
0.62	29.89	10.20	—	5.68	24.89	4.03	0.15	28
84,363	16,430,376	1,444,388	60,077	77,467	—	7,143,172	47,023	29
543,120	332,683	654,029	9,093	36,900	316,244	747,470	—	30
—	1,400	8,636	581	2,006	31,420	18,414	6,262	31
—	—	—	—	8	42,259	—	—	32
543,120	334,083	662,665	9,674	38,914	389,923	765,884	6,262	33
627,483	16,764,459	2,107,053	69,751	116,381	389,923	7,909,056	53,285	34
2.18	58.34	7.33	0.24	0.40	1.36	27.52	0.19	35

² Includes 87,364 thousand kilowatt hours of nuclear generation.

TABLE 3. Energy Made Available, 1963

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
1	Total generated (Table 2) ¹	122, 238, 194	2, 069, 604	111, 140	2, 135, 928
2	Per cent of total for Canada	100.00	1.69	0.09	1.75
	Energy imported:				
3	From other provinces .....	...	—	—	56, 293
4	From United States	2, 884, 283	—	—	—
5	Total imported	2, 884, 283	—	—	56, 293
	Energy exported:				
6	To other provinces .....	...	71, 206	—	70, 028
7	To United States	3, 612, 834	—	—	—
8	Total exported	3, 612, 834	71, 206	—	70, 028
9	Total made available in Canada	121, 509, 643	1, 998, 398	111, 140	2, 122, 193
10	Per cent of total for Canada	100.00	1.65	0.09	1.75
	Generated for use in own plant:				
11	Firm	19, 762, 614	371, 081	—	242, 975
12	Secondary — Electric boilers	1, 417, 518	—	—	—
13	Other uses	1, 344	—	—	—
14	Losses	1, 013, 507	1, 356	—	685
15	Total generated for own use	22, 194, 983	372, 437	—	243, 660
16	Total available for disposal in Canada	99, 314, 660	1, 625, 961	111, 140	1, 878, 533
17	Per cent of total for Canada	100.00	1.64	0.11	1.89

¹ Kilowatt-hours after deducting station service.² Includes 71,206,000 kwh. no value energy.³ Includes 33,228,000 kwh. no value energy.⁴ Includes 564,000 kwh. no value energy.

TABLE 4. Disposal of Energy, 1963

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities and industrial establishments:				
	To ultimate customers in Canada:				
1	Domestic and farm ¹	25, 321, 606	207, 773	42, 234	602, 955
2	Commercial	10, 887, 336	93, 233	37, 284	415, 310
3	Power — Firm	48, 886, 582	1, 122, 285	13, 886	611, 987
4	Secondary — Electric boilers	2, 556, 083	82, 660	—	—
5	Other uses	687, 035	—	—	—
6	Street lighting	870, 696	6, 115	1, 455	20, 814
7	Total sold to ultimate customers	89, 209, 338	1, 512, 066	94, 859	1, 631, 066
8	Losses and unaccounted for	10, 105, 322	113, 895	16, 281	227, 467
9	Total disposed of in Canada	99, 314, 660	1, 625, 961	111, 140	1, 878, 533
10	Per cent of total for Canada	100.00	1.64	0.11	1.89
	Exported:				
11	To other provinces — Firm .....	...	71, 206 ²	—	8, 120
12	Secondary .....	...	—	—	61, 908
13	To United States — Firm	882, 414	—	—	—
14	Secondary	2, 730, 420	—	—	—
15	Total exported	3, 612, 834	71, 206	—	70, 028
	Electric utilities:				
	Publicly and privately-operated:				
	To ultimate customers in Canada:				
16	Domestic and farm ¹	25, 266, 588	207, 121	42, 234	602, 955
17	Commercial	10, 762, 690	92, 896	37, 284	415, 310
18	Power — Firm	47, 787, 405	1, 122, 100	13, 886	611, 921
19	Secondary — Electric boilers	1, 371, 542	82, 660	—	—
20	Other uses	687, 035	—	—	—
21	Street lighting	868, 430	6, 115	1, 455	20, 814
22	Total sold to ultimate customers	86, 743, 690	1, 510, 892	94, 859	1, 631, 000
23	Losses and unaccounted for	9, 969, 377	113, 895	16, 281	227, 467
24	Total disposed of in Canada	96, 713, 067	1, 624, 787	111, 140	1, 878, 467
25	Per cent of total for Canada	100.0	1.68	0.11	1.94

See footnotes at end of table.

TABLE 3. Energy Made Available, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
2,310,756	49,933,772	37,609,062	4,855,209	2,991,376	4,531,245	15,450,868	239,234	1
1.89	40.85	30.77	3.97	2.45	3.71	12.64	0.19	2
92,901	149,676 ²	5,261,323	923,242 ³	67,086	31,905 ⁴	3,577 ⁵	—	3
14,515 ⁶	696	2,846,149	—	622	710	21,591 ⁷	—	4
107,416	150,372	8,107,472	923,242	67,708	32,615	25,168	—	5
56,293	5,227,169	321,908	124,113	679,811	3,577	31,898	—	6
246,872	24,781	3,316,979	15	—	—	24,187	—	7
303,165	5,251,950	3,638,887	124,128	679,811	3,577	56,085	—	8
2,115,007	44,832,194	42,077,647	5,634,323	2,379,273	4,560,283	15,419,951	239,234	9
1.74	36.89	34.63	4.65	1.96	3.75	12.69	0.20	10
486,430	9,459,265	1,761,516	59,085	60,040	383,287	6,899,544	39,391	11
832	1,098,294	23,361	5,170	16,541	—	268,410	4,910	12
—	1,344	—	—	—	—	—	—	13
11,498	701,129	62,288	2,135	3,664	—	229,551	1,201	14
498,760	11,260,032	1,847,165	66,390	80,245	383,287	7,397,505	45,502	15
1,616,247	33,572,162	40,230,482	5,587,933	2,299,028	4,176,996	8,022,446	193,732	16
1.63	33.80	40.51	5.63	2.32	4.20	8.08	0.19	17

¹ Includes 282,000 kwh. no value energy.⁶ Includes 79,000 kwh. no value energy.⁷ Includes 20,702,000 kwh. no value energy.

TABLE 4. Disposal of Energy, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
424,362	6,677,334	11,156,251	1,686,436	855,581	1,178,895	2,468,518	21,267	1
181,388	2,266,823	4,533,018	668,142	310,146	666,452	1,698,255	17,285	2
800,208	19,074,726	19,474,276	2,392,846	751,671	1,641,244	2,918,600	84,853	3
—	1,850,601	404,474	169,063	—	—	2,924	46,361	4
—	374,281	233,411	300	11,785	63,745	3,513	—	5
20,733	221,443	345,174	58,999	26,867	80,952	87,765	379	6
1,426,691	30,465,208	36,146,604	4,975,786	1,956,050	3,631,288	7,179,575	170,145	7
189,556	3,106,954	4,083,878	612,147	342,978	545,708	842,871	23,587	8
1,616,247	33,572,162	40,230,482	5,587,933	2,299,028	4,176,996	8,022,446	193,732	9
1.63	33.80	40.51	5.63	2.32	4.20	8.08	0.19	10
—	4,153,757	24,400	122,916	674,428 ³	3,577 ⁴	31,898 ⁵	—	11
56,293	1,073,412	297,508	1,197	5,383	—	—	—	12
176,786	6,245	697,485	15	—	—	1,883	—	13
70,086	18,536	2,619,494	—	—	—	22,304 ⁶	—	14
303,165	5,251,950	3,638,887	124,128	679,811	3,577	56,085	—	15
424,362	6,668,243	11,142,353	1,681,342	855,581	1,178,309	2,442,918	21,170	16
181,388	2,264,109	4,528,895	665,712	310,146	666,370	1,583,822	16,758	17
785,380	18,060,199	19,412,124	2,392,814	751,671	1,639,309	2,913,148	84,853	18
—	666,060	404,474	169,063	—	—	2,924	46,361	19
—	374,281	233,411	300	11,785	63,745	3,513	—	20
20,733	221,160	345,020	58,603	26,867	80,937	86,347	379	21
1,411,863	28,254,052	36,066,277	4,967,834	1,956,050	3,628,670	7,032,672	169,521	22
189,556	2,988,819	4,078,615	611,429	342,978	545,659	831,091	23,587	23
1,601,419	31,242,871	40,144,892	5,579,263	2,299,028	4,174,329	7,863,763	193,108	24
1.66	32.30	41.51	5.77	2.38	4.32	8.13	0.20	25

TABLE 4. Disposal of Energy, 1963 — Concluded

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities—Concluded:				
	Publicly and privately-operated—Concluded:				
	Exported:				
1	To other provinces—Firm .....	...	—	—	8,120
2	Secondary .....	...	—	—	61,908
3	To United States—Firm	735,244	—	—	—
4	Secondary	2,730,420	—	—	—
5	Total exported	3,465,664	—	—	70,028
	Publicly-operated:				
	To ultimate customers in Canada:				
6	Domestic and farm ¹	23,375,936	240	5,882	187,322
7	Commercial	9,903,452	—	6,545	81,275
8	Power—Firm	41,789,803	—	—	333,142
9	Secondary—Electric boilers	1,120,928	—	—	—
10	Other uses	687,035	—	—	—
11	Street lighting	808,327	—	538	6,880
12	Total sold to ultimate customers	77,685,481	240	12,965	608,619
13	Losses and unaccounted for	8,897,703	20	835	83,935
14	Total disposed of in Canada	86,583,184	260	13,800	692,554
15	Per cent of total for Canada	100.00	0.00	0.02	0.80
	Exported:				
16	To other provinces—Firm .....	...	—	—	8,120
17	Secondary .....	...	—	—	20,706
18	To United States—Firm	284,752	—	—	—
19	Secondary	2,497,344	—	—	—
20	Total exported	2,782,096	—	—	28,826
	Privately-operated:				
	To ultimate customers in Canada:				
21	Domestic and farm ¹	1,890,652	206,881	36,352	415,633
22	Commercial	859,238	92,896	30,739	334,035
23	Power—Firm	5,997,602	1,122,100	13,886	278,779
24	Secondary—Electric boilers	250,614	82,660	—	—
25	Other uses	—	—	—	—
26	Street lighting	60,103	6,115	917	13,934
27	Total sold to ultimate customers	9,058,209	1,510,652	81,894	1,042,381
28	Losses and unaccounted for	1,071,674	113,875	15,446	143,532
29	Total disposed of in Canada	10,129,883	1,624,527	97,340	1,185,913
30	Per cent of total for Canada	100.00	16.03	0.96	11.71
	Exported:				
31	To other provinces—Firm .....	...	—	—	—
32	Secondary .....	...	—	—	41,202
33	To United States—Firm	450,492	—	—	—
34	Secondary	233,076	—	—	—
35	Total exported	683,568	—	—	41,202
	Industrial establishments:				
	To ultimate customers in Canada:				
36	Domestic and farm ¹	55,018	652	—	—
37	Commercial	124,646	337	—	—
38	Power—Firm	1,099,177	185	—	66
39	Secondary—Electric boilers	1,184,541	—	—	—
40	Other uses	—	—	—	—
41	Street lighting	2,266	—	—	—
42	Total sold to ultimate customers	2,465,648	1,174	—	66
43	Losses and unaccounted for	135,945	—	—	—
44	Total disposed of in Canada	2,601,593	1,174	—	66
45	Per cent of total for Canada	100.00	0.05	—	0.00
	Exported:				
46	To other provinces—Firm .....	...	71,206	—	—
47	Secondary .....	...	—	—	—
48	To United States—Firm	147,170	—	—	—
49	Secondary	—	—	—	—
50	Total exported	147,170	71,206	—	—

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.² No value energy.³ Includes 33,228,000 kwh. no value energy.

TABLE 4. Disposal of Energy, 1963 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
—	4,153,757	24,400	122,916	641,200	3,577	31,898	—	1
56,293	1,073,412	297,508	1,197	5,383	—	—	—	2
88,916	6,245	638,185	15	—	—	1,883	—	3
70,086	18,536	2,619,494	—	—	—	22,304	—	4
215,295	5,251,950	3,579,587	124,128	646,583	3,577	56,085	—	5
399,808	6,487,150	10,929,219	1,655,742	849,788	609,369	2,245,149	6,267	6
161,608	2,209,121	4,443,602	658,234	308,180	492,649	1,535,731	6,507	7
769,293	16,233,580	18,388,604	1,834,720	751,515	601,583	2,800,387	76,979	8
—	501,030	404,474	169,063	—	—	—	46,361	9
—	374,281	233,411	300	11,785	63,745	3,513	—	10
19,233	215,831	337,969	55,592	26,415	62,799	83,048	22	11
1,349,942	26,020,993	34,737,279	4,373,651	1,947,683	1,830,145	6,667,828	136,136	12
181,216	2,752,702	3,927,706	538,058	330,904	275,513	787,874	18,940	13
1,531,158	28,773,695	38,664,985	4,911,709	2,278,587	2,105,658	7,455,702	155,076	14
1.77	33.23	44.66	5.67	2.63	2.43	8.61	0.18	15
—	3,264,855	24,400	118,819	—	—	609	—	16
56,293	1,002,809	297,508	—	5,383	—	—	—	17
18,781	6,245	257,868	15	—	—	1,843	—	18
70,086	18,536	2,386,418	—	—	—	22,304	—	19
145,160	4,292,445	2,966,194	118,834	5,383	—	24,756	—	20
24,554	181,093	213,134	25,600	5,793	568,940	197,769	14,903	21
19,780	54,988	85,293	7,478	1,966	173,721	48,091	10,251	22
16,087	1,826,619	1,023,520	558,094	156	1,037,726	112,761	7,874	23
—	165,030	—	—	—	—	2,924	—	24
—	—	—	—	—	—	—	—	25
1,500	5,329	7,051	3,011	452	18,138	3,299	357	26
61,921	2,233,059	1,328,998	594,183	8,367	1,798,525	364,844	33,385	27
8,340	236,117	150,909	73,371	12,074	270,146	43,217	4,647	28
70,261	2,469,176	1,479,907	667,554	20,441	2,068,671	408,061	38,032	29
0.69	24.38	14.61	6.59	0.20	20.42	4.03	0.38	30
—	888,902	—	4,097	641,200	3,577	31,289	—	31
—	70,603	—	1,197	—	—	—	—	32
70,135	—	380,317	—	—	—	40	—	33
—	—	233,076	—	—	—	—	—	34
70,135	959,505	613,393	5,294	641,200	3,577	31,329	—	35
—	9,091	13,898	5,094	—	586	25,600	97	36
—	2,714	4,123	2,430	—	82	114,433	527	37
14,828	1,014,527	62,152	32	—	1,935	5,452	—	38
—	1,184,541	—	—	—	—	—	—	39
—	—	—	—	—	—	—	—	40
—	283	154	396	—	15	1,418	—	41
14,828	2,211,156	80,327	7,952	—	2,618	146,903	624	42
—	118,135	5,263	718	—	49	11,780	—	43
14,828	2,329,291	85,590	8,670	—	2,667	158,683	624	44
0.57	89.53	3.29	0.33	—	0.10	6.10	0.03	45
—	—	—	—	33,228	—	—	—	46
—	—	—	—	—	—	—	—	47
87,870	—	59,300	—	—	—	—	—	48
—	—	—	—	—	—	—	—	49
87,870	—	59,300	—	33,228	—	—	—	50

⁴ Includes 282,000 kwh. no value energy.⁵ Includes 564,000 kwh. no value energy.⁶ No value energy.

TABLE 5. Customers at End of Year, 1963

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:				
	Ultimate customers in Canada:				
1	Domestic and farm ¹	4,975,066	69,521	20,873	181,243
2	Commercial	575,929	7,461	3,566	29,197
3	Power.....	96,774	922	2	1,991
4	Street lighting.....	7,085	29	25	930
5	Total ultimate customers.....	5,654,854	77,933	24,466	213,361
6	Per cent of total for Canada.....	100.00	1.38	0.43	3.77
	Electric utilities:				
	Publicly and privately-operated:				
	Ultimate customers in Canada:				
7	Domestic and farm ¹	4,967,452	69,194	20,873	181,243
8	Commercial	575,287	7,436	3,566	29,197
9	Power.....	96,737	921	2	1,990
10	Street lighting.....	7,070	29	25	930
11	Total ultimate customers.....	5,646,546	77,580	24,466	213,360
12	Per cent of total for Canada.....	100.00	1.37	0.43	3.78
	Publicly-operated:				
	Ultimate customers in Canada:				
13	Domestic and farm ¹	4,493,729	300	2,744	74,917
14	Commercial	507,930	—	531	9,962
15	Power.....	79,004	—	—	1,218
16	Street lighting.....	6,135	—	3	853
17	Total ultimate customers.....	5,086,798	300	3,278	86,950
18	Per cent of total for Canada.....	100.00	0.01	0.06	1.71
	Privately-operated:				
	Ultimate customers in Canada:				
19	Domestic and farm ¹	473,723	68,894	18,129	106,326
20	Commercial	67,357	7,436	3,035	19,235
21	Power.....	17,733	921	2	772
22	Street lighting.....	935	29	22	77
23	Total ultimate customers	559,748	77,280	21,188	126,410
24	Per cent of total for Canada.....	100.00	13.81	3.79	22.58
	Industrial establishments:				
	Ultimate customers in Canada:				
25	Domestic and farm ¹	7,614	327	—	—
26	Commercial	642	25	—	—
27	Power.....	37	1	—	1
28	Street lighting.....	15	—	—	—
29	Total ultimate customers.....	8,308	353	—	1
30	Per cent of total for Canada.....	100.00	4.25	—	0.01

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 5. Customers at End of Year, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
146,426	1,345,773	1,918,262	254,362	231,996	327,958	474,199	4,453	1
12,971	157,541	170,642	31,127	35,247	49,054	77,892	1,231	2
2,177	22,554	27,274	12,405	8,265	18,779	2,219	186	3
1,177	1,747	774	542	889	639	314	19	4
162,751	1,527,615	2,116,952	298,436	276,397	396,430	554,624	5,889	5
2.88	27.01	37.44	5.28	4.89	7.01	9.81	0.10	6
146,426	1,344,483	1,916,591	253,525	231,996	327,713	470,980	4,428	7
12,971	157,434	170,550	31,024	35,247	49,042	77,593	1,227	8
2,175	22,545	27,268	12,404	8,265	18,778	2,203	186	9
1,177	1,742	771	540	889	638	310	19	10
162,749	1,526,204	2,115,180	297,493	276,397	396,171	551,086	5,860	11
2.88	27.03	37.46	5.27	4.90	7.02	9.76	0.10	12
140,044	1,291,544	1,879,021	250,528	230,912	180,276	442,435	1,008	13
11,998	152,093	166,674	30,669	35,120	26,785	73,641	457	14
1,925	22,201	26,940	12,404	8,263	4,797	1,197	59	15
1,175	1,642	746	537	884	13	276	6	16
155,142	1,467,480	2,073,381	294,138	275,179	211,871	517,549	1,530	17
3.05	28.85	40.76	5.78	5.41	4.17	10.17	0.03	18
6,382	52,939	37,570	2,997	1,084	147,437	28,545	3,420	19
973	5,341	3,876	355	127	22,257	3,952	770	20
250	344	328	—	2	13,981	1,006	127	21
2	100	25	3	5	625	34	13	22
7,607	58,724	41,799	3,355	1,218	184,300	33,537	4,330	23
1.36	10.49	7.47	0.60	0.22	32.92	5.99	0.77	24
—	1,290	1,671	837	—	245	3,219	25	25
—	107	92	103	—	12	299	4	26
2	9	6	1	—	1	16	—	27
—	5	3	2	—	1	4	—	28
2	1,411	1,772	943	—	259	3,538	29	29
0.02	16.98	21.33	11.35	—	3.12	42.59	0.35	30

TABLE 6. Revenue from Sale of Electricity, 1963

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities and industrial establishments:				
	Revenue from ultimate customers in Canada:				
1	Domestic and farm ¹	383,983	5,004	1,704	14,693
2	Commercial	200,929	2,565	1,265	11,726
3	Power—Firm	353,082	8,219	275	7,174
4	Secondary—Electric boilers	4,406	120	—	—
5	Other uses	2,053	—	—	—
6	Street lighting	21,709	203	89	883
7	Total revenue from ultimate customers	966,162	16,111	3,333	34,475
8	Per cent of total for Canada	100.00	1.67	0.34	3.57
	Revenue from electricity exported:				
9	To other provinces—Firm .....	...	—	—	118
10	Secondary .....	...	—	—	341
11	To United States—Firm	4,625	—	—	—
12	Secondary	2,028	—	—	—
13	Total revenue from exports	6,653	—	—	459
14	Totals (ultimate customers and exports)	972,815	16,111	3,333	34,935
	Electric utilities:				
	Publicly and privately-operated:				
	Revenue from ultimate customers in Canada:				
15	Domestic and farm ¹	383,215	4,984	1,704	14,693
16	Commercial	199,945	2,557	1,265	11,726
17	Power—Firm	348,896	8,213	275	7,173
18	Secondary—Electric boilers	2,510	120	—	—
19	Other uses	2,053	—	—	—
20	Street lighting	21,656	203	89	883
21	Total revenue from ultimate customers	958,275	16,077	3,333	34,475
22	Per cent of total for Canada	100.00	1.68	0.35	3.60
	Revenue from electricity exported:				
23	To other provinces—Firm .....	...	—	—	118
24	Secondary .....	...	—	—	341
25	To United States—Firm	3,790	—	—	—
26	Secondary	2,028	—	—	—
27	Total revenue from exports	5,818	—	—	459
28	Totals (ultimate customers and exports)	964,093	16,077	3,333	34,934
	Publicly-operated:				
	Revenue from ultimate customers in Canada:				
29	Domestic and farm ¹	343,105	20	237	4,986
30	Commercial	174,625	—	244	2,343
31	Power—Firm	304,570	—	—	3,204
32	Secondary—Electric boilers	1,990	—	—	—
33	Other uses	2,053	—	—	—
34	Street lighting	19,402	—	29	239
35	Total revenue from ultimate customers	845,745	20	510	10,772
36	Per cent of total for Canada	100.00	0.00	0.06	1.27

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 6. Revenue from Sale of Electricity, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
12,671	89,906	147,260	19,621	23,652	24,184	44,422	866	1
4,737	43,578	63,521	10,221	8,361	17,937	35,966	1,052	2
8,250	113,912	140,918	15,895	13,322	21,257	22,137	1,723	3
—	3,282	564	203	—	—	54	183	4
—	1,014	320	8	202	434	75	—	5
795	4,844	8,610	1,233	1,078	2,101	1,844	29	6
26,453	256,536	361,193	47,181	46,615	65,913	104,498	3,853	7
2.74	26.55	37.38	4.88	4.83	6.82	10.82	0.40	8
—	10,606	227	158	1,565	25	155	—	9
143	2,362	596	5	4	—	—	—	10
1,527	87	2,981	—	—	—	30	—	11
488	103	1,437	—	—	—	—	—	12
2,158	13,158	5,241	163	1,569	25	185	—	13
28,611	269,694	366,434	47,344	48,184	65,938	104,683	3,853	14
12,671	89,751	147,106	19,522	23,652	24,163	44,105	864	15
4,737	43,538	63,434	10,175	8,361	17,933	35,210	1,009	16
8,139	110,191	140,677	15,895	13,322	21,220	22,068	1,723	17
—	1,386	564	203	—	—	54	183	18
—	1,014	320	8	202	434	75	—	19
795	4,839	8,609	1,222	1,078	2,100	1,809	29	20
26,342	250,719	360,710	47,025	46,615	65,850	103,321	3,808	21
2.75	26.16	37.64	4.91	4.86	6.87	10.78	0.40	22
—	10,606	227	158	1,565	25	155	—	23
143	2,362	596	5	4	—	—	—	24
692	87	2,981	—	—	—	30	—	25
488	103	1,437	—	—	—	—	—	26
1,323	13,158	5,241	163	1,569	25	185	—	27
27,665	263,877	365,951	47,188	48,184	65,875	103,506	3,808	28
12,044	85,775	144,204	19,228	23,533	11,254	41,472	352	29
4,180	42,204	61,982	10,039	8,286	10,954	33,961	432	30
7,762	102,441	134,241	14,712	13,317	7,001	20,580	1,312	31
—	1,040	564	203	—	—	—	183	32
—	1,014	320	8	202	434	75	—	33
745	4,740	8,439	1,202	1,071	1,197	1,735	5	34
24,731	237,214	349,750	45,392	46,409	30,840	97,823	2,284	35
2.92	28.05	41.35	5.37	5.49	3.65	11.57	0.27	36

TABLE 6. Revenue from Sale of Electricity, 1963 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities—Concluded:				
	Publicly-operated—Concluded:				
	Revenue from electricity exported:				
1	To other provinces — Firm .....	...	—	—	118
2	Secondary .....	...	—	—	110
3	To United States — Firm	1,574	—	—	—
4	Secondary	1,465	—	—	—
5	Total revenue from exports	3,039	—	—	228
6	Totals (ultimate customers and exports)	848,784	20	510	11,000
	Privately-operated:				
	Revenue from ultimate customers in Canada:				
7	Domestic and farm ¹	40,110	4,964	1,467	9,707
8	Commercial	25,320	2,557	1,021	9,383
9	Power—Firm	44,326	8,213	275	3,969
10	Secondary—Electric boilers	520	120	—	—
11	Other uses	—	—	—	—
12	Street lighting	2,254	203	60	644
13	Total revenue from ultimate customers	112,530	16,057	2,823	23,703
14	Per cent of total for Canada	100.00	14.27	2.51	21.06
	Revenue from electricity exported:				
15	To other provinces — Firm .....	...	—	—	—
16	Secondary .....	...	—	—	231
17	To United States — Firm	2,216	—	—	—
18	Secondary	563	—	—	—
19	Total revenue from exports	2,779	—	—	231
20	Totals (ultimate customers and exports)	115,309	16,057	2,823	23,934
	Industrial establishments:				
	Revenue from ultimate customers in Canada:				
21	Domestic and farm ¹	768	20	—	—
22	Commercial	984	8	—	—
23	Power—Firm	4,186	6	—	1
24	Secondary—Electric boilers	1,896	—	—	—
25	Other uses	—	—	—	—
26	Street lighting	53	—	—	—
27	Total revenue from ultimate customers	7,887	34	—	1
28	Per cent of total for Canada	100.00	0.43	—	0.00
	Revenue from electricity exported:				
29	To other provinces — Firm .....	...	—	—	—
30	Secondary .....	...	—	—	—
31	To United States — Firm	835	—	—	—
32	Secondary	—	—	—	—
33	Total revenue from exports	835	—	—	—
34	Totals (ultimate customers and exports)	8,722	34	—	1

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 6. Revenue From Sale of Electricity, 1963 - Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
—	9,062	227	100	—	—	11	—	1
143	2,362	596	—	4	—	—	—	2
192	87	1,268	—	—	—	27	—	3
488	103	874	—	—	—	—	—	4
823	11,614	2,963	100	4	—	38	—	5
25,554	248,828	352,715	45,492	46,413	30,840	97,861	2,284	6
627	3,976	2,902	294	119	12,909	2,633	512	7
557	1,334	1,452	136	75	6,979	1,249	577	8
377	7,750	6,436	1,183	5	14,219	1,488	411	9
—	346	—	—	—	—	54	—	10
—	—	—	—	—	—	—	—	11
50	99	170	20	7	903	74	24	12
1,611	13,503	10,960	1,633	206	35,010	5,498	1,524	13
1.43	12.00	9.74	1.45	0.18	31.11	4.89	1.36	14
—	1,544	—	58	1,565	25	144	—	15
—	—	—	5	—	—	—	—	16
500	—	1,713	—	—	—	3	—	17
—	—	563	—	—	—	—	—	18
500	1,544	2,276	63	1,565	25	147	—	19
2,111	15,049	13,236	1,696	1,771	35,035	5,645	1,524	20
—	155	154	99	—	21	317	2	21
—	40	87	46	—	4	756	43	22
111	3,721	241	—	—	37	69	—	23
—	1,896	—	—	—	—	—	—	24
—	—	—	—	—	—	—	—	25
—	5	1	11	—	1	35	—	26
111	5,817	483	156	—	63	1,177	45	27
1.41	73.76	6.13	1.98	—	0.80	14.92	0.57	28
—	—	—	—	—	—	—	—	29
—	—	—	—	—	—	—	—	30
835	—	—	—	—	—	—	—	31
—	—	—	—	—	—	—	—	32
835	—	—	—	—	—	—	—	33
946	5,817	483	156	—	63	1,177	45	34

TABLE 7. Domestic and Farm Service, 1939-63

No.			Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:					
	Customers:					
1	1939	No.	1,623,672	..	5,067	62,034
2	1945	"	1,987,360	..	6,387	84,011
3	1950	"	2,797,378	30,311	10,298	124,860
4	1962	"	4,864,464	66,498	20,974	178,461
5	1963	"	4,980,351	69,521	20,873	181,243
	Kilowatt-hours sold:					
6	1939	'000 kwh.	2,310,891	..	2,908	39,084
7	1945	"	3,365,497	..	5,217	70,099
8	1950	"	6,750,303	40,051	10,526	147,522
9	1962	"	23,692,010	195,367	39,140	561,430
10	1963	"	25,321,606	207,773	42,234	602,955
	Revenue received:					
11	1939	\$'000	43,793	..	163	1,709
12	1945	"	55,736	..	239	2,286
13	1950	"	109,015	835	584	4,421
14	1962	"	365,990	4,624	1,642	14,245
15	1963	"	383,983	5,004	1,704	14,693
	Kilowatt-hours per customer:					
16	1939	kwh.	1,423	..	574	630
17	1945	"	1,693	..	817	834
18	1950	"	2,413	1,321	1,022	1,181
19	1962	"	4,870	2,938	1,866	3,146
20	1963	"	5,084	2,989	2,023	3,327
	Average annual bill:					
21	1939	\$	26.97	..	32.21	27.56
22	1945	\$	28.05	..	37.35	27.21
23	1950	\$	38.97	27.57	56.69	35.41
24	1962	\$	75.24	69.54	78.29	79.82
25	1963	\$	77.10	71.98	81.64	81.07
	Revenue per kilowatt-hour:					
26	1939	cents	1.90	..	5.61	4.37
27	1945	"	1.66	..	4.57	3.26
28	1950	"	1.61	2.09	5.55	3.00
29	1962	"	1.54	2.37	4.20	2.54
30	1963	"	1.52	2.41	4.03	2.44
	Farm service, 1963: ¹					
31	Customers	No.	406,883	5,918	—	5,206
32	Kilowatt-hours sold	'000 kwh.	2,435,159	8,538	—	10,620
33	Revenue received	\$'000	47,671	371	—	221
34	Kilowatt-hours per customer	No.	5,985	1,442	—	2,039
35	Average annual bill	\$	117.16	62.69	—	42.45
36	Revenue per kilowatt-hour	cents	1.96	4.35	—	2.08

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records. At the bottom of the page, however, farm figures are tabulated as reported.

TABLE 7. Domestic and Farm Service, 1939-63

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
46,485	434,825	719,871	81,091	49,980	68,267	156,052	..	1
62,175	558,865	839,968	94,673	61,285	87,005	192,991	..	2
95,540	778,878	1,104,317	144,122	94,734	134,132	278,417	1,769	3
155,238	1,319,047	1,869,471	250,899	227,161	315,741	456,554	4,420	4
146,426	1,351,058	1,918,262	254,362	231,996	327,958	474,199	4,453	5
26,989	311,420	1,374,325	320,827	41,198	42,210	151,930	..	6
45,958	507,274	1,963,043	416,499	58,402	63,962	235,043	..	7
97,752	1,199,887	3,662,862	689,335	128,221	164,205	607,427	2,515	8
409,357	6,118,761	10,490,150	1,622,841	781,470	1,078,946	2,374,596	19,952	9
424,362	6,677,334	11,156,251	1,686,436	855,581	1,178,895	2,468,518	21,267	10
1,308	9,167	19,658	3,312	2,004	2,145	4,327	..	11
1,883	11,926	23,699	4,238	2,566	2,932	5,967	..	12
3,747	23,821	44,724	7,939	4,871	5,385	12,525	163	13
12,393	85,514	138,600	18,581	22,164	23,226	44,108	893	14
12,671	89,906	147,260	19,621	23,652	24,184	44,422	866	15
581	716	1,909	3,956	824	618	974	..	16
739	908	2,337	4,399	953	735	1,218	..	17
1,023	1,541	3,317	4,783	1,353	1,224	2,182	1,422	18
2,637	4,639	5,611	6,468	3,440	3,417	5,201	4,514	19
2,898	4,942	5,816	6,630	3,688	3,595	5,206	4,776	20
28.13	21.08	27.31	40.84	40.10	31.42	27.73	..	21
30.29	21.34	28.21	44.76	41.87	33.70	30.92	..	22
39.22	30.58	40.50	55.08	51.42	40.15	44.99	92.23	23
79.83	64.83	74.14	74.06	97.57	73.56	96.61	202.04	24
86.54	66.54	76.77	77.14	101.95	73.74	93.68	194.48	25
4.85	2.94	1.43	1.03	4.87	5.08	2.85	..	26
4.10	2.35	1.21	1.02	4.39	4.59	2.54	..	27
3.83	1.99	1.22	1.15	3.80	3.28	2.06	6.49	28
3.03	1.40	1.32	1.14	2.83	2.15	1.86	4.48	29
2.98	1.35	1.32	1.16	2.76	2.05	1.80	4.07	30
4	89,329	139,319	39,639	61,084	57,034	9,350	—	31
39	417,246	1,067,045	286,734	279,808	279,796	85,333	—	32
2	7,205	19,656	4,660	8,630	5,610	1,316	—	33
9,750	4,671	7,659	7,234	4,581	4,905	9,126	—	34
50.00	80.65	141.08	117.56	141.28	98.36	140.74	—	35
5.1	1.73	1.84	1.63	3.08	2.01	1.54	—	36

TABLE 8. Transmission Pole Line Mileage at End of Year, 1963

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	Steel—Towers	13,402	176	—	118
2	Poles	189	55	—	—
3	Aluminum—Towers	27	—	—	—
4	Poles	21	—	—	—
5	Wood pole	49,957	864	150	2,136
6	Concrete pole	37	—	—	—
7	Underground cable	138	—	—	4
8	Marine cable	46	3	—	7
9	Other	—	—	—	—
10	Total pole line mileage	63,817	1,098	150	2,265
11	Per cent of total for Canada	100.00	1.72	0.24	3.55

TABLE 9. Transmission Circuit Mileage of Electric Line at End of Year, 1963

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	20,000- 49,999 volts	29,212	596	150	1,224
2	50,000- 99,999 "	14,760	389	—	943
3	100,000-149,999 "	16,668	78	—	154
4	150,000-199,999 "	906	—	—	—
5	200,000-249,999 "	7,161	110	—	—
6	250,000-299,999 "	—	—	—	—
7	300,000-349,999 "	2,308	—	—	—
8	350,000 volts and over	432	—	—	—
9	Total circuit mileage	71,447	1,173	150	2,321
10	Per cent of total for Canada	100.00	1.64	0.21	3.25

TABLE 8. Transmission Pole Line Mileage at End of Year, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
736	3,985	6,022	975	368	291	731	—	1
—	129	5	—	—	—	—	—	2
—	—	27	—	—	—	—	—	3
—	—	—	—	—	21	—	—	4
1,159	5,887	10,339	4,579	10,799	10,074	3,804	166	5
—	10	27	—	—	—	—	—	6
—	26	38	—	4	17	49	—	7
—	—	2	—	—	—	34	—	8
—	—	—	—	—	—	—	—	9
1,895	10,037	16,460	5,554	11,171	10,403	4,618	166	10
2.97	15.73	25.79	8.70	17.50	16.30	7.24	0.26	11

TABLE 9. Transmission Circuit Mileage of Electric Line at End of Year, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
24	2,276	7,826	1,850	7,633	7,386	146	101	1
1,270	2,542	220	2,006	2,056	2,308	2,994	32	2
604	2,834	6,932	2,131	1,294	1,553	990	98	3
—	906	—	—	—	—	—	—	4
—	1,347	4,496	130	275	295	508	—	5
—	—	—	—	—	—	—	—	6
—	2,308	—	—	—	—	—	—	7
—	—	227	—	—	—	205	—	8
1,898	12,213	19,701	6,117	11,258	11,542	4,843	231	9
2.66	17.09	27.58	8.56	15.76	16.15	6.78	0.32	10

TABLE 10. Fuel Used to Generate Electricity, 1963

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
	Quantity of fuel:				
	Coal:				
1	Bituminous — Canadian short ton	1,068,178	—	—	533,839
2	Imported "	2,392,228	—	—	—
3	Sub-bituminous "	732,970	—	—	—
4	Saskatchewan lignite "	956,803	—	—	—
5	Other "	—	—	—	—
6	Total coal short ton	5,150,179	—	—	533,839
	Petroleum fuels:				
7	Furnace fuel oil — Light Imp. gallon	2,308,914	—	—	216,660
8	Heavy "	69,486,352	4,008,390	9,441,985	8,100,484
9	Diesel fuel oil "	25,247,994	1,924,072	129,934	932,728
10	Other — Crude oil "	108,395	—	—	—
11	Total petroleum fuels "	97,151,635	5,932,462	9,571,919	9,249,872
	Gas:				
12	Natural M. cu. ft.	47,107,475	—	—	—
13	Manufactured "	—	—	—	—
14	Total gas M. cu. ft.	47,107,475	—	—	—
15	Other fuels — Propane "	13,211	—	—	—
	Cost of fuel:				
	Coal:				
16	Bituminous — Canadian \$	10,473,334	—	—	5,574,994
17	Imported \$	21,942,934	—	—	—
18	Sub-bituminous \$	1,604,489	—	—	—
19	Saskatchewan lignite \$	1,650,372	—	—	—
20	Other \$	—	—	—	—
21	Total coal \$	35,671,129	—	—	5,574,994
	Petroleum fuels:				
22	Furnace fuel oil — Light \$	302,386	—	—	30,255
23	Heavy \$	4,421,779	287,519	618,482	510,331
24	Diesel fuel oil \$	4,740,493	348,700	18,386	160,868
25	Other — Crude oil \$	10,269	—	—	—
26	Total petroleum fuels \$	9,294,927	636,219	636,868	701,434
	Gas:				
27	Natural \$	7,421,504	—	—	—
28	Manufactured \$	—	—	—	—
29	Total gas \$	7,421,504	—	—	—
30	Other fuels — Propane \$	34,297	—	—	—
31	Total all fuels \$	52,421,857	636,219	636,868	6,276,448
32	Per cent of total for Canada	100.00	1.21	1.22	11.97

¹ See footnote at end of table.

TABLE 10. Fuel Used to Generate Electricity, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
106,812	—	415,152	225	—	12,150	—	—	1
—	—	2,392,228	—	—	—	—	—	2
—	—	—	—	163,058	569,912	—	—	3
—	—	—	66,111	890,692	—	—	—	4
—	—	—	—	—	—	—	—	5
106,812	—	2,807,380	66,336	1,033,750	582,062	—	—	6
334,587 ¹	115,000	1,341,948 ¹	183,217 ¹	88,048	29,454	—	—	7
21,235,088	—	280,316 ¹	—	21,300,097	3,738,150	1,075,381	306,461	8
513,085	2,993,232	3,826,848	5,444,740	222,573	1,240,184	6,158,283	1,862,315	9
—	—	—	—	—	—	108,395	—	10
22,082,760	3,108,232	5,449,112	5,627,957	21,610,718	5,007,788	7,342,059	2,168,776	11
—	—	128,815	154,618	11,158,712	32,508,907	3,156,423	—	12
—	—	—	—	—	—	—	—	13
—	—	128,815	154,618	11,158,712	32,508,907	3,156,423	—	14
—	—	—	—	—	—	13,211	—	15
989,556	—	3,854,953	3,210	—	50,621	—	—	16
—	—	21,942,934	—	—	—	—	—	17
—	—	—	—	680,329	924,160	—	—	18
—	—	—	251,463	1,398,909	—	—	—	19
—	—	—	—	—	—	—	—	20
989,556	—	25,797,887	254,673	2,079,238	974,781	—	—	21
53,717 ¹	16,215	158,090 ¹	26,940 ¹	12,328	4,841	—	—	22
1,301,872	—	28,648 ¹	—	1,196,855	132,293	88,592	77,187	23
121,017	585,517	689,584	921,655	38,206	247,578	1,138,643	470,339	24
—	—	—	—	—	—	10,269	—	25
1,476,606	601,732	876,322	948,595	1,247,389	384,712	1,237,504	547,526	26
—	—	49,026	25,417	1,700,110	4,814,023	832,928	—	27
—	—	—	—	—	—	—	—	28
—	—	49,026	25,417	1,700,110	4,814,023	832,928	—	29
—	—	—	—	—	—	34,297	—	30
2,466,102	601,732	26,723,235	1,228,685	5,026,737	6,173,516	2,104,729	547,526	31
4.70	1.15	50.98	2.34	9.59	11.78	4.02	1.04	32

TABLE 10. Fuel Used to Generate Electricity, 1963 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated — Concluded:				
	Average B.t.u. content of fuel:				
	Coal:				
1	Bituminous — Canadian per pound	12,783	—	—	12,667
2	Imported "	13,106	—	—	—
3	Sub-bituminous "	8,187	—	—	—
4	Saskatchewan lignite "	6,594	—	—	—
5	Other "	—	—	—	—
	Petroleum fuels:				
6	Furnace fuel oil — Light per Imp. Gal.	164,960	—	—	168,413
7	Heavy "	181,610	179,359	182,487	180,879
8	Diesel fuel oil "	165,485	166,107	172,200	165,436
9	Other — Crude oil "	166,000	—	—	—
	Gas:				
10	Natural per stand. cu. ft. ²	1,019	—	—	—
11	Manufactured "	—	—	—	—
12	Other fuels — Propane per stand. cu. ft. ²	2,500	—	—	—
	Energy generated: ³				
	By coal:				
13	Bituminous — Canadian '000 kwh.	2,359,757	—	—	991,343
14	Imported "	6,456,591	—	—	—
15	Sub-bituminous "	945,446	—	—	—
16	Saskatchewan lignite "	843,588	—	—	—
17	Other "	—	—	—	—
18	Total coal '000 kwh.	10,605,382	—	—	991,343
	By petroleum fuels:				
19	Furnace fuel oil — Light "	3,353	—	—	1,254
20	Heavy "	929,496	42,998	110,298	113,353
21	Diesel fuel oil "	314,025	26,075	842	11,384
22	Other — Crude oil "	540	—	—	—
23	Total petroleum fuels "	1,247,414	69,073	111,140	125,991
	By gas:				
24	Natural "	3,445,724	—	—	—
25	Manufactured "	—	—	—	—
26	Total gas "	3,445,724	—	—	—
27	By other fuels "	89,945	—	—	—
28	Total all fuels "	15,388,465	69,073	111,140	1,117,334
29	Per cent of total for Canada	100.00	0.45	0.72	7.26

¹ Fuel oil used in coal-fired stations for initial steam-raising: no resulting generation.² Standard cubic foot — 760 mm. mercury 60° F.³ Net output after deducting station service.

TABLE 10. Fuel Used to Generate Electricity, 1963 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
11,851	—	13,226	13,500	—	10,900	—	—	1
—	—	13,106	—	—	—	—	—	2
—	—	—	—	8,350	8,141	—	—	3
—	—	—	7,181	6,550	—	—	—	4
—	—	—	—	—	—	—	—	5
166,021	163,800	163,484	167,567	172,000	163,000	—	—	6
183,464	—	159,830	—	180,486	181,623	181,688	174,640	7
165,473	165,287	164,862	165,507	170,000	164,628	165,515	165,891	8
—	—	—	—	—	—	166,000	—	9
—	—	1,000	1,051	981	1,032	1,016	—	10
—	—	—	—	—	—	—	—	11
—	—	—	—	—	—	2,500	—	12
161,230	—	1,195,734	190	—	11,260	—	—	13
—	—	6,456,591	—	—	—	—	—	14
—	—	—	—	187,483	757,963	—	—	15
—	—	—	44,035	799,553	—	—	—	16
—	—	—	—	—	—	—	—	17
161,230	—	7,652,325	44,225	987,036	769,223	—	—	18
46	855	—	—	1,147	51	—	—	19
319,306	—	—	—	250,553	75,035	12,339	5,614	20
7,747	43,634	53,556	46,661	3,148	7,591	86,310	27,077	21
—	—	—	—	—	—	540	—	22
327,099	44,489	53,556	46,661	254,848	82,677	99,189	32,691	23
—	—	13,297	17,191	721,600	2,408,255	285,381	—	24
—	—	—	—	—	—	—	—	25
—	—	13,297	17,191	721,600	2,408,255	285,381	—	26
—	—	87,364 ⁴	—	—	—	2,581 ⁵	—	27
488,329	44,489	7,806,542	108,077	1,963,484	3,260,155	387,151	32,691	28
3.17	0.29	50.73	0.70	12.76	21.19	2.52	0.21	29

⁴ Nuclear generation.⁵ Propane generation.

TABLE 11. Employees, Wages, and Salaries, 1963

No.			Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities - Publicly and privately-operated:					
	Employees (excluding construction employees):					
1	Administrative	No.	18,566	173	18	493
2	Operating	"	22,778	589	154	1,155
3	Total employees	"	41,344	762	172	1,648
4	Per cent of total for Canada		100.00	1.85	0.42	4.01
5	Wages and salaries (excluding construction employees):					
5	Administrative	\$'000	108,047	878	125	2,178
6	Operating	"	118,255	2,095	610	4,774
7	Total wages and salaries	"	226,302	2,973	735	6,952
8	Per cent of total for Canada		100.00	1.31	0.33	3.07
	Publicly-operated:					
	Employees (excluding construction employees):					
9	Administrative	No.	17,202	—	8	168
10	Operating	"	19,566	1	16	569
11	Total employees	"	36,768	1	24	737
12	Per cent of total for Canada		100.00	0.00	0.01	2.02
	Wages and salaries (excluding construction employees):					
13	Administrative	\$'000	100,468	—	39	729
14	Operating	"	102,945	5	78	1,975
15	Total wages and salaries	"	203,413	5	117	2,704
16	Per cent of total for Canada		100.00	0.00	0.06	1.33
	Privately-operated:					
	Employees (excluding construction employees):					
17	Administration	No.	1,364	173	10	325
18	Operating	"	3,212	588	135	586
19	Total employees	"	4,576	761	145	911
20	Per cent of total for Canada		100.00	16.63	3.17	19.91
	Wages and salaries (excluding construction employees):					
21	Administrative	\$'000	7,579	878	86	1,449
22	Operating	"	15,310	2,090	532	2,799
23	Total wages and salaries	"	22,889	2,968	618	4,248
24	Per cent of total for Canada		100.00	12.97	2.69	18.56

TABLE 11. Employees, Wages, and Salaries, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
485	5,662	7,575	1,259	861	644	1,333	63	1
1,122	5,483	8,691	1,372	1,409	1,217	1,387	199	2
1,607	11,145	16,266	2,631	2,270	1,861	2,720	262	3
3.91	27.09	39.53	5.91	5.52	4.52	6.61	0.63	4
1,681	34,191	44,520	7,295	4,640	3,910	8,200	429	5
3,789	26,241	50,180	6,360	8,491	6,533	8,163	1,019	6
5,470	60,432	94,700	13,655	13,131	10,443	16,363	1,448	7
2.42	26.71	41.85	6.03	5.80	4.61	7.23	0.64	8
479	5,484	7,463	1,256	847	197	1,248	52	9
1,087	5,118	8,339	1,370	1,325	490	1,079	169	10
1,566	10,602	15,802	2,626	2,172	687	2,327	221	11
4.28	28.99	43.21	6.64	5.94	1.88	6.36	0.61	12
1,645	33,159	43,925	7,278	4,549	1,188	7,614	342	13
3,625	24,648	48,505	6,350	8,049	2,423	6,423	864	14
5,270	57,807	92,430	13,628	12,598	3,611	14,037	1,206	15
2.59	28.42	45.44	6.70	6.19	1.78	6.90	0.59	16
6	178	112	3	14	447	85	11	17
35	365	352	2	84	727	308	30	18
41	543	464	5	98	1,174	393	41	19
0.89	11.87	10.14	0.11	2.14	25.66	8.59	0.89	20
36	1,032	595	17	91	2,722	586	87	21
164	1,593	1,675	10	442	4,110	1,740	155	22
200	2,625	2,270	27	533	6,832	2,326	242	23
0.87	11.47	9.92	0.12	2.33	29.85	10.16	1.06	24

TABLE 12. Assets and Liabilities at End of Year, 1963

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	4,056,914	71,656	9,619	92,229
2	Transmission	1,634,588	7,694	1,443	35,747
3	Distribution	1,983,889	25,772	6,169	57,007
4	Other property and equipment	382,200	7,424	571	7,674
5	Construction in progress	725,446	47,670	—	2,117
6	Totals	8,783,037	160,216	17,802	194,774
7	Accumulated depreciation	1,550,517	21,197	3,677	35,036
8	Total, less depreciation	7,232,520	139,019	14,125	159,738
9	Other fixed assets, less depreciation	68,010	165	130	1,524
10	Total fixed assets	7,300,530	139,184	14,255	161,262
	Current assets:				
11	Cash on hand and in banks	49,055	777	152	588
12	Temporary investments	39,824	2,674	—	332
13	Accounts receivable (net)	160,742	2,156	548	4,125
14	Inventories	88,301	1,107	353	2,547
15	Other	17,163	19	62	2,393
16	Total current assets	355,085	6,733	1,115	9,985
	Investments:				
17	In associated companies	175,216	1,939	—	1,271
18	Reserve fund investments	248,111	—	—	406
19	Other	34,727	2,199	—	250
20	Total investments	458,054	4,138	—	1,927
21	Deferred charges and prepaid expenses	246,133	726	182	327
22	Other assets	24,329	965	—	692
23	Total assets	8,384,131	151,746	15,552	174,193
	Liabilities:				
24	Long-term debt	5,663,222	86,937	7,690	85,247
	Current liabilities:				
25	Accounts payable and accrued liabilities	179,640	3,758	511	6,715
26	Loans and notes payable	216,468	6,977	448	2,181
27	Other	92,812	727	127	1,167
28	Total current liabilities	488,920	11,462	1,086	10,063
29	Reserves	727,452	331	61	27,065
30	Deferred credits and other liabilities	130,260	3,642	1,738	4,331
	Capital and surplus:				
31	Share capital	185,257	37,134	750	24,217
32	Surplus — Capital	187,440	3,662	1,173	5,106
33	Earned	1,001,580	8,578	3,054	18,164
34	Total capital and surplus	1,374,277	49,374	4,977	47,487
35	Total liabilities	8,384,131	151,746	15,552	174,193

TABLE 12. Assets and Liabilities at End of Year, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
92,696	1,164,246	1,657,816	209,974	134,468	126,113	477,476	20,621	1
44,580	449,721	722,254	46,787	76,950	93,119	152,803	3,490	2
46,710	497,358	651,008	165,638	124,577	97,907	310,598	1,145	3
6,524	122,397	146,347	17,719	27,458	11,280	32,935	1,871	4
6,926	347,491	94,377	100,595	34,084	19,807	69,238	3,141	5
197,436	2,581,213	3,271,802	540,713	397,537	348,226	1,043,050	30,268	6
37,356	513,370	515,271	86,989	75,353	83,774	171,886	6,608	7
160,080	2,067,843	2,756,531	453,724	322,184	264,452	871,164	23,660	8
20	30,484	22,885	—	—	6,507	27	6,268	9
160,100	2,098,327	2,779,416	453,724	322,184	270,959	871,191	29,928	10
415	5,382	27,617	4,197	1,538	3,664	3,567	1,158	11
5,449	3,675	24,126	1,000	54	1,799	714	1	12
4,030	45,988	59,608	6,303	8,880	7,662	19,827	1,615	13
1,793	15,910	42,238	4,907	5,685	5,190	7,408	1,163	14
61	4,400	6,184	2,154	823	493	572	2	15
11,748	75,355	159,773	18,561	16,980	18,808	32,088	3,939	16
—	1,884	38	5	30	2,825	166,719	505	17
1,666	1,800	170,045	29,570	41,221	1,741	654	1,008	18
16	18,912	343	9,914	563	43	2,487	—	19
1,682	22,596	170,426	39,489	41,814	4,609	169,860	1,513	20
3,040	23,876	183,315	8,916	6,860	494	18,385	12	21
475	11,087	8,701	73	2,055	272	2	7	22
177,045	2,231,241	3,301,631	520,763	389,893	295,142	1,091,526	35,399	23
150,370	1,478,558	2,065,361	397,295	303,608	131,794	933,688	22,674	24
5,672	66,266	41,511	5,354	11,857	11,653	25,509	834	25
37	181,235	406	13,790	133	10,219	114	928	26
17	1,877	32,170	10,905	6,305	4,456	34,929	132	27
5,726	249,378	74,087	30,049	18,295	26,328	60,552	1,894	28
10,809	399,892	142,468	81,746	483	22,293	40,158	2,146	29
102	18,298	11,786	9,276	44,540	30,757	5,771	19	30
1,380	50,435	12,049	30	12,726	32,542	7,521	6,473	31
2,914	16,692	135,249	2,340	7,372	6,022	6,535	375	32
5,744	17,988	860,631	27	2,869	45,406	37,301	1,818	33
10,038	85,115	1,007,929	2,397	22,967	83,970	51,357	8,666	34
177,045	2,231,241	3,301,631	520,763	389,893	295,142	1,091,526	35,399	35

TABLE 12. Assets and Liabilities at End of Year, 1963 — Continued

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
			thousands of dollars		
	Electric utilities — Publicly-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	3,615,310	60	1,165	41,219
2	Transmission	1,500,271	—	—	13,724
3	Distribution	1,821,912	3,383	777	27,214
4	Other property and equipment	351,255	—	—	1,626
5	Construction in progress	655,790	—	—	2,117
6	Totals	7,944,538	3,443	1,942	85,900
7	Accumulated depreciation	1,332,477	—	463	2,441
8	Total, less depreciation	6,612,061	3,443	1,479	83,459
9	Other fixed assets, less depreciation	44,263	—	130	39
10	Total fixed assets	6,656,324	3,443	1,609	83,498
	Current assets:				
11	Cash on hand and in banks	41,935	1	—	402
12	Temporary investments	30,548	—	—	327
13	Accounts receivable (net)	141,236	18	55	2,074
14	Inventories	80,673	—	70	1,086
15	Other	16,563	—	62	2,393
16	Total current assets	310,955	19	187	6,282
	Investments:				
17	In associated companies	166,773	—	—	50
18	Reserve fund investments	246,218	—	—	406
19	Other	31,574	—	—	68
20	Total investments	444,565	—	—	524
21	Deferred charges and prepaid expenses	240,518	—	—	223
22	Other assets	18,033	96	—	65
23	Total assets	7,670,395	3,558	1,796	90,592
	Liabilities:				
24	Long-term debt	5,350,778	—	450	52,740
	Current liabilities:				
25	Accounts payable and accrued liabilities	151,089	45	19	1,648
26	Loans and notes payable	196,703	—	58	1,566
27	Other	84,432	—	—	343
28	Total current liabilities	432,224	45	77	3,557
29	Reserves	714,347	—	61	26,915
30	Deferred credits and other liabilities	100,117	—	62	313
	Capital and surplus:				
31	Share capital	25,494	3,513	—	123
32	Surplus — Capital	162,359	—	1,096	4,286
33	Earned	885,076	—	50	2,658
34	Total capital and surplus	1,072,929	3,513	1,146	7,067
35	Total liabilities	7,670,395	3,558	1,796	90,592

TABLE 12. Assets and Liabilities at End of Year, 1963 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
90,901	1,031,947	1,606,467	209,974	122,457	18,883	472,870	19,367	1
44,279	432,756	711,934	46,787	75,933	24,859	146,684	3,315	2
45,316	486,746	638,990	165,226	124,363	45,142	284,755	—	3
6,251	118,434	144,483	17,576	26,681	3,839	30,919	1,446	4
6,718	347,115	92,647	100,595	34,084	232	69,141	3,141	5
193,465	2,416,998	3,194,521	540,158	383,518	92,955	1,004,369	27,269	6
36,483	461,831	487,410	86,717	64,151	31,620	155,573	5,788	7
156,982	1,955,167	2,707,111	453,441	319,367	61,335	848,796	21,481	8
20	19,490	12,210	—	—	6,079	27	6,268	9
157,002	1,974,657	2,719,321	453,441	319,367	67,414	848,823	27,749	10
279	3,502	26,853	4,174	1,433	917	3,238	1,136	11
4,549	476	22,668	1,000	54	776	698	—	12
3,963	41,987	55,868	6,249	8,856	1,847	19,015	1,304	13
1,769	15,091	41,773	4,907	5,444	2,789	6,632	1,112	14
61	4,003	6,092	2,154	823	433	542	—	15
10,621	65,059	153,254	18,484	16,610	6,762	30,125	3,552	16
—	4	—	—	—	—	166,719	—	17
1,666	475	170,045	29,570	41,221	1,705	122	1,008	18
—	18,891	212	9,914	—	21	2,468	—	19
1,666	19,370	170,257	39,484	41,221	1,726	169,309	1,008	20
2,989	20,196	182,979	8,916	6,856	14	18,337	8	21
475	6,499	8,678	73	2,055	92	—	—	22
172,753	2,085,781	3,234,489	520,398	386,109	76,008	1,066,594	32,317	23
150,363	1,421,804	2,042,079	397,295	303,608	35,456	924,707	22,276	24
5,586	61,660	38,794	5,319	11,586	1,839	23,874	719	25
37	180,765	221	13,790	—	180	86	—	26
17	289	31,973	10,679	6,247	207	34,667	10	27
5,640	242,714	70,988	29,788	17,833	2,226	58,627	729	28
10,809	395,242	142,414	81,746	466	14,750	39,862	2,082	29
101	11,662	11,717	9,202	44,522	17,069	5,469	—	30
—	2,818	116	—	12,220	—	436	6,268	31
2,455	9,724	123,485	2,340	7,372	5,066	6,535	—	32
3,385	1,817	843,690	27	88	1,441	30,958	962	33
5,840	14,359	967,291	2,367	19,680	6,507	37,929	7,230	34
172,753	2,085,781	3,234,489	520,398	386,109	76,008	1,066,594	32,317	35

TABLE 12. Assets and Liabilities at End of Year, 1963 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	441,604	71,596	8,454	51,010
2	Transmission	134,317	7,694	1,443	22,023
3	Distribution	161,977	22,389	5,392	29,793
4	Other property and equipment	30,945	7,424	571	6,048
5	Construction in progress	69,656	47,670	—	—
6	Totals	838,499	156,773	15,860	108,874
7	Accumulated depreciation	218,040	21,197	3,214	32,595
8	Total, less depreciation	620,459	135,576	12,646	76,279
9	Other fixed assets, less depreciation	23,747	165	—	1,485
10	Total fixed assets	644,206	135,741	12,646	77,764
	Current assets:				
11	Cash on hand and in banks	7,120	776	152	186
12	Temporary investments	9,276	2,674	—	5
13	Accounts receivable (net)	19,506	2,138	493	2,051
14	Inventories	7,628	1,107	283	1,461
15	Other	600	19	—	—
16	Total current assets	44,130	6,714	928	3,703
	Investments:				
17	In associated companies	8,443	1,939	—	1,221
18	Reserve fund investments	1,893	—	—	—
19	Other	3,153	2,199	—	182
20	Total investments	13,489	4,138	—	1,403
21	Deferred charges and prepaid expenses	5,615	726	182	104
22	Other assets	6,296	869	—	627
23	Total assets	713,736	148,188	13,756	83,601
	Liabilities:				
24	Long-term debt	312,444	86,937	7,240	32,507
	Current liabilities:				
25	Accounts payable and accrued liabilities	28,551	3,713	492	5,067
26	Loans and notes payable	19,765	6,977	390	615
27	Other	8,380	727	127	824
28	Total current liabilities	56,696	11,417	1,009	6,506
29	Reserves	13,105	331	—	150
30	Deferred credits and other liabilities	30,143	3,642	1,676	4,018
	Capital and surplus:				
31	Share capital	159,763	33,621	750	24,094
32	Surplus — Capital	25,081	3,662	77	820
33	Earned	116,504	8,578	3,004	15,506
34	Total capital and surplus	301,348	45,861	3,831	40,420
35	Total liabilities	713,736	148,188	13,756	83,601

TABLE 12. Assets and Liabilities at End of Year, 1963 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
1,795	132,299	51,349	—	12,011	107,230	4,606	1,254	1
301	16,965	10,320	—	1,017	68,260	6,119	175	2
1,394	10,612	12,018	412	214	52,765	25,843	1,145	3
273	3,963	1,864	143	777	7,441	2,016	425	4
208	376	1,730	—	—	19,575	97	—	5
3,971	164,215	77,281	555	14,019	255,271	38,681	2,999	6
873	51,539	27,861	272	11,202	52,154	16,313	820	7
3,098	112,676	49,420	283	2,817	203,117	22,368	2,179	8
—	10,994	10,675	—	—	428	—	—	9
3,098	123,670	60,095	283	2,817	203,545	22,368	2,179	10
136	1,880	764	23	105	2,747	329	22	11
900	3,199	1,458	—	—	1,023	16	1	12
67	4,001	3,740	54	24	5,815	812	311	13
24	819	465	—	241	2,401	776	51	14
—	397	92	—	—	60	30	2	15
1,127	10,296	6,519	77	370	12,046	1,963	387	16
—	1,880	38	5	30	2,825	—	505	17
—	1,325	—	—	—	36	532	—	18
16	21	131	—	563	22	19	—	19
16	3,226	169	5	593	2,883	551	505	20
51	3,680	336	—	4	480	48	4	21
—	4,588	23	—	—	180	2	7	22
4,292	145,460	67,142	365	3,784	219,134	24,932	3,082	23
7	56,754	23,282	—	—	96,338	8,981	398	24
86	4,606	2,717	35	271	9,814	1,635	115	25
—	470	185	—	133	10,039	28	928	26
—	1,588	197	226	58	4,249	262	122	27
86	6,664	3,099	261	462	24,102	1,925	1,165	28
—	4,650	54	—	17	7,543	296	64	29
1	6,636	69	74	18	13,688	302	19	30
1,380	47,617	11,933	30	506	32,542	7,085	205	31
459	6,968	11,764	—	—	956	—	375	32
2,359	16,171	16,941	—	2,781	43,965	6,343	856	33
4,198	70,756	40,638	30	3,287	77,463	13,428	1,436	34
4,292	145,460	67,142	365	3,784	219,134	24,932	3,082	35

TABLE 13. Income Account, 1963

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Operating revenue:				
1	Sale of electricity ¹	1,166,112	17,448	3,321	41,108
2	Other	20,710	359	37	482
3	Total operating revenue	1,186,822	17,807	3,358	41,590
	Operating expense:				
4	Operation, maintenance and administration	395,637	4,714	1,641	17,513
5	Power purchased	231,430	1,024	46	6,678
6	Depreciation	160,090	3,553	483	4,581
7	Total operating expense	787,157	9,291	2,170	28,772
8	Operating income	399,665	8,516	1,188	12,818
9	Other income	6,756	204	—	53
10	Total income	406,421	8,720	1,188	12,871
	Income deductions:				
11	Interest on long-term debt	245,638	3,363	242	4,832
12	Income tax	23,605	2,430	290	3,142
13	Other deductions	43,953	279	180	942
14	Total income deductions	313,196	6,072	712	8,916
15	Net income	93,225	2,648	476	3,955
	Publicly-operated:				
	Operating revenue:				
16	Sale of electricity ¹	1,004,835	21	509	14,356
17	Other	16,694	47	9	75
18	Total operating revenue	1,021,529	68	518	14,431
	Operating expense:				
19	Operation, maintenance and administration	337,002	158	219	5,292
20	Power purchased	207,321	—	46	3,570
21	Depreciation	139,160	—	58	1,127
22	Total operating expense	683,483	158	323	9,989
23	Operating income	338,046	- 90	195	4,442
24	Other income	5,121	—	—	57
25	Total income	343,167	- 90	195	4,499
	Income deductions:				
26	Interest on long-term debt	232,587	—	20	3,277
27	Income tax	1,590	—	—	—
28	Other deductions	40,748	—	50	872
29	Total income deductions	274,925	—	70	4,149
30	Net income	68,242	- 90	125	350
	Privately operated:				
	Operating revenue:				
31	Sale of electricity ¹	161,276	17,426	2,812	26,752
32	Other	4,017	313	28	407
33	Total operating revenue	165,293	17,739	2,840	27,159
	Operating expense:				
34	Operation, maintenance and administration	58,635	4,556	1,422	12,221
35	Power purchased	24,109	1,024	—	3,108
36	Depreciation	20,930	3,553	425	3,454
37	Total operating expense	103,674	9,133	1,847	18,783
38	Operating income	61,619	8,606	993	8,376
39	Other income	1,635	204	—	- 4
40	Total income	63,254	8,810	993	8,372
	Income deductions:				
41	Interest on long-term debt	13,051	3,363	222	1,555
42	Income tax	22,015	2,430	290	3,142
43	Other deductions	3,205	279	130	70
44	Total income deductions	38,271	6,072	642	4,767
45	Net income	24,983	2,738	351	3,605

¹ This table is a composite summation of all the reports received. Revenue from the sale of electricity, therefore, includes duplications arising from inter-utility sales and is larger than the revenue shown in Table 6.

TABLE 13. Income Account, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No
thousands of dollars								
31,710	250,730	528,549	50,458	51,313	80,107	106,702	4,666	1
204	7,238	6,514	1,002	139	1,606	1,909	1,220	2
31,914	257,968	535,063	51,460	51,452	81,713	108,611	5,886	3
13,074	95,060	166,027	18,210	19,291	23,349	33,787	2,971	4
4,740	18,904	171,337	5,419	3,107	14,555	4,842	778	5
5,192	39,485	52,699	11,336	9,852	9,091	23,182	636	6
23,006	153,449	390,063	34,965	32,250	46,995	61,811	4,385	7
8,908	104,519	145,000	16,495	19,202	34,718	46,800	1,501	8
55	838	150	2,229	2,771	330	37	89	9
8,963	105,357	145,150	18,724	21,973	35,048	46,837	1,590	10
6,475	65,063	95,190	14,079	12,146	6,349	37,149	750	11
196	5,224	3,339	—	213	7,596	970	205	12
1,194	14,438	19,855	1,844	1,875	2,984	318	44	13
7,865	84,725	118,384	15,923	14,234	16,929	38,437	999	14
1,098	20,632	26,766	2,801	7,739	18,119	8,400	591	15
29,534	215,058	506,543	49,891	49,543	37,468	99,091	2,821	16
174	5,502	5,612	1,001	139	1,039	1,881	1,215	17
29,708	220,560	512,155	50,892	49,682	38,507	100,972	4,036	18
12,475	83,983	155,433	18,172	18,373	9,415	31,024	2,458	19
3,506	5,759	169,391	4,907	2,998	13,713	3,331	—	20
5,121	36,222	50,962	11,318	9,531	2,175	22,128	518	21
21,202	125,964	375,786	34,397	30,902	25,303	56,483	2,976	22
8,506	94,596	136,369	16,495	18,780	13,204	44,489	1,060	23
—	1	10	2,229	2,770	1	—	53	24
8,506	94,597	136,379	18,724	21,550	13,205	44,489	1,113	25
6,451	62,754	94,139	14,079	12,140	2,186	36,801	740	26
—	1,548	27	—	—	—	15	—	27
1,192	13,178	19,336	1,844	1,875	2,164	237	—	28
7,643	77,480	113,502	15,923	14,015	4,350	37,053	740	29
863	17,117	22,877	2,801	7,535	8,855	7,436	373	30
2,176	35,672	22,006	567	1,770	42,639	7,611	1,845	31
30	1,736	902	1	—	567	28	5	32
2,206	37,408	22,908	568	1,770	43,206	7,639	1,850	33
599	11,077	10,594	38	918	13,934	2,763	513	34
1,134	13,145	1,946	512	109	842	1,511	778	35
71	3,263	1,737	18	321	6,916	1,054	118	36
1,804	27,485	14,277	568	1,348	21,692	5,328	1,409	37
402	9,923	8,631	—	422	21,514	2,311	441	38
55	837	140	—	1	329	37	36	39
457	10,760	8,771	—	423	21,843	2,348	477	40
24	2,309	1,051	—	6	4,163	348	10	41
196	3,676	3,312	—	213	7,596	955	205	42
2	1,260	519	—	—	820	81	44	43
222	7,245	4,882	—	219	12,579	1,384	259	44
235	3,515	3,889	—	204	9,264	964	218	45

TABLE 14. Taxes, 1963

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities—Publicly and privately-operated:				
1	Municipal	25,745	92	93	1,595
2	Provincial	7,064	26	—	19
3	Federal	1,515	—	—	22
4	Total taxes	34,324	118	93	1,636
5	Per cent of total for Canada	100.00	0.34	0.27	4.77
	Publicly-operated:				
6	Municipal	20,565	—	11	223
7	Provincial	5,619	—	—	1
8	Federal	1,396	—	—	2
9	Total taxes	27,580	—	11	226
10	Per cent of total for Canada	100.00	—	0.04	0.82
	Privately-operated:				
11	Municipal	5,180	92	82	1,372
12	Provincial	1,445	26	—	18
13	Federal	119	—	—	20
14	Total taxes	6,744	118	82	1,410
15	Per cent of total for Canada	100.00	1.75	1.22	20.91

TABLE 15. Capital and Repair Expenditures¹

No.		1962						
		Electric utilities ²			Other industries			Grand total
		Capital	Repair	Total	Capital	Repair	Total	
		thousands of dollars						
1	Electric power generating plants including water conveying and controlling structures	194,300	12,300	206,600	7,700	3,200	10,900	217,500
2	Electric transformer stations	23,100	5,800	28,900	2,600	700	3,300	32,200
3	Power transmission and distribution	147,300	27,900	175,200	7,500	2,800	10,300	185,500
4	Street lighting	6,200	2,400	8,600	6,800	3,700	10,500	19,100
5	Total generating transmission and distribution facilities	370,900	48,400	419,300	24,600	10,400	35,000	454,300
6	Dams and reservoirs	42,700	400	43,100	...	...	...	...
7	Other facilities	27,200	2,100	29,300	...	...	...	...
8	Totals	440,800	50,900	491,700	...	...	...	...
9	Machinery and equipment	142,600	31,600	174,200	...	...	...	...
10	Total electric utilities	583,400	82,500	665,900	...	...	...	...

¹ Compiled by Business Finance Division, DBS.

TABLE 14. Taxes, 1963

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
213	9,417	7,100	318	435	2,878	3,594	10	1
13	2,519	340	551	40	171	3,385	—	2
6	4	1,389	—	—	94	—	—	3
232	11,940	8,829	869	475	3,143	6,979	10	4
0.68	34.79	25.72	2.53	1.38	9.16	20.33	0.03	5
109	8,225	6,292	318	432	1,537	3,418	—	6
1	1,531	289	551	36	22	3,188	—	7
6	—	1,388	—	—	—	—	—	8
116	9,756	7,969	869	468	1,559	6,606	—	9
0.42	35.37	28.90	3.15	1.70	5.65	23.95	—	10
104	1,192	808	—	3	1,341	176	10	11
12	988	51	—	4	149	197	—	12
—	4	1	—	—	94	—	—	13
116	2,184	860	—	7	1,584	373	10	14
1.72	32.38	12.75	—	0.10	23.49	5.53	0.15	15

TABLE 15. Capital and Repair Expenditures¹

1963							No.
Electric utilities ²			Other industries			Grand total	
Capital	Repairs	Total	Capital	Repairs	Total		
thousands of dollars							
204,600	10,200	214,800	2,200	3,800	6,000	220,800	1
30,700	5,900	36,600	4,900	700	5,600	42,200	2
168,800	30,300	199,100	5,800	2,900	8,700	207,800	3
7,200	2,800	10,000	7,000	4,800	11,800	21,800	4
411,300	49,200	460,500	19,900	12,200	32,100	492,600	5
34,400	400	34,800	...	...	...	...	6
13,300	2,200	15,500	...	...	...	...	7
459,000	51,800	510,800	...	...	...	...	8
153,900	33,100	187,000	...	...	...	...	9
612,900	84,900	697,800	...	...	...	...	10

² Includes Aluminum Company of Canada Ltd.

TABLE 16. Supply and Demand of Electric Energy, 1950 - 61
Canada

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	39,712,673	46,096,297	49,578,034	49,408,537
2	Industries	12,422,132	12,158,002	12,783,682	15,113,309
3	Totals	52,134,805	58,254,299	62,361,716	64,521,846
	Thermal-generation (net):				
4	Utilities	1,692,849	1,775,562	2,293,147	3,836,239
5	Industries	1,554,308	1,745,851	1,841,658	1,942,785
6	Totals	3,247,157	3,521,413	4,134,805	5,779,024
7	Grand total generation (3 + 6).....	55,381,962	61,775,712	66,496,521	70,300,870
8	Imports from United States	2,591	8,956	19,985	180,637
9	Imports from other provinces .....	...	...	...	...
10	Total supply of electric energy (7 + 8 + 9)	55,384,553	61,784,668	66,516,506	70,481,507
	Demand for electric energy:				
11	Residential and farm	6,750,303	7,726,114	8,741,182	9,877,727
	Manufacturing consumption:				
12	Pulp and paper	12,389,859	13,142,684	13,972,041	14,700,541
13	Smelting and refining	9,918,509	10,800,837	12,045,222	13,311,547
14	Chemicals	3,444,158	3,905,452	3,709,041	3,895,608
15	Primary iron and steel	1,835,569	2,363,325	2,600,279	1,927,431
16	Abrasives	725,705	1,121,261	934,275	1,029,784
17	Other manufacturing	4,929,668	5,544,304	5,806,352	6,404,683
18	Total manufacturing consumption (12 to 17).....	33,243,468	36,877,863	39,067,210	41,269,594
19	Mining consumption	2,530,100	2,813,306	2,942,388	2,914,609
20	Total industrial consumption (18 + 19).....	35,773,568	39,691,169	42,009,598	44,184,203
	Commercial and other consumption:				
21	At power rates	2,821,799	2,739,879	3,426,038	3,300,122
22	At commercial rates	2,809,459	3,152,501	3,489,248	3,881,423
23	Street lighting	303,276	320,722	348,246	379,815
24	Totals (21 + 22 + 23)	5,934,534	6,213,102	7,263,532	7,561,360
25	Line loss, free service and unaccounted for	5,000,281	5,778,761	6,008,984	6,434,187
26	Residual error of estimate	—	—	—	—
27	Total domestic demand (11 + 18 + 19 + 24 + 25 + 26) ..	53,458,686	59,409,146	64,023,296	68,057,477
28	Total exports to United States	1,925,867	2,375,522	2,493,210	2,424,030
29	Total exports to other provinces .....	...	...	...	...
30	Total demand for electric energy (27 + 28 + 29)	55,384,553	61,784,668	66,516,506	70,481,507

TABLE 16. Supply and Demand of Electric Energy, 1950-61
Canada

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
53,009,910	59,773,529	64,242,172	66,040,067	71,171,268	77,767,745	83,202,548	82,325,864	1
16,320,565	16,950,871 ^F	17,613,568	17,333,153	19,337,932	19,272,085	22,680,225	21,593,377	2
69,330,475	76,724,400 ^F	81,855,740	83,373,220	90,509,200	97,039,830	105,882,773	103,919,241	3
3,282,190	3,340,340	4,403,530	5,482,927	4,781,864	5,281,140	5,953,853	7,062,771	4
1,926,917	2,156,564 ^F	2,195,339	2,258,608	2,234,525	2,349,588	2,620,568	2,731,306	5
5,209,107	5,496,904 ^F	6,598,869	7,741,535	7,016,389	7,630,728	8,574,421	9,794,077	6
74,539,582	82,221,304	88,454,609	91,114,755	97,525,589	104,670,558	114,457,194	113,713,318	7
119,024	158,562	239,173	832,974	245,062	512,002	356,878	1,394,014	8
...	...	...	...	...	...	...	...	9
74,658,606	82,379,866	88,693,782	91,947,729	97,770,651	105,182,560	114,814,072	115,107,332	10
11,280,513	12,713,204	14,338,789	15,857,618	17,290,984	19,007,111	20,397,014	21,975,672	11
15,376,028	15,177,125	15,231,703	16,049,923	18,287,599	19,371,127	20,916,595	20,821,332	12
13,675,773	15,196,100	15,375,544	14,954,989	16,372,053	15,902,306	19,735,198	18,032,758	13
4,196,480	4,247,488	4,481,714	4,831,978	5,766,263	5,947,417	6,411,146	6,207,780	14
1,578,564	2,211,757	2,676,761	2,553,634	1,818,214	2,303,183	2,512,295	2,615,444	15
790,159	1,034,460	1,127,217	1,201,933	902,249	1,070,648	1,162,801	979,495	16
6,776,410	7,339,494	8,225,143	8,681,987	9,080,782	10,331,732	10,686,698 ^F	10,872,023	17
42,393,414	45,206,424	47,118,082	48,274,444	52,227,160	54,926,413	61,424,733 ^F	59,528,832	18
3,129,504	3,427,535	4,075,465	4,339,053	4,649,256	4,809,849	4,928,387	4,825,625	19
45,522,918	48,633,959	51,193,547	52,613,497	56,876,416	59,736,262	66,353,120 ^F	64,354,457	20
3,720,320	4,152,463	4,155,401	3,717,537	3,604,434	4,556,867	4,032,465 ^F	4,814,910	21
4,210,156	4,690,922	5,191,465	5,974,378	6,414,986	6,874,678	7,943,258 ^F	8,780,988	22
406,609	435,677	473,726	511,439	554,733	584,704	656,759	726,813	23
8,337,085	9,279,062	9,820,592	10,203,354	10,574,153	12,016,249	12,632,482 ^F	14,322,711	24
6,799,782	7,320,181	8,232,578	8,378,087	8,784,705	9,634,157	10,391,756 ^F	10,523,046	25
—	—	4,607	62,693	158,475	195,737	— 472,152 ^F	— 226,085	26
71,940,298	77,946,406	83,590,113	87,115,249	93,684,733	100,589,516	109,302,220	110,949,801	27
2,718,308	4,433,460	5,103,669	4,832,480	4,085,918	4,593,044	5,511,852	4,157,531	28
...	...	...	...	...	...	...	...	29
74,658,606	82,379,866	88,693,782	91,947,729	97,770,651	105,182,560	114,814,072	115,107,332	30

TABLE 16. Supply and Demand of Electric Energy, 1950 - 61— Continued
Newfoundland

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	146,461	170,898	228,875	247,187
2	Industries	912,457	859,125 ^f	930,757	868,222
3	Totals	1,058,918	1,030,023	1,159,632 ^f	1,115,409
	Thermal-generation (net):				
4	Utilities	1,009	1,538	4,416	4,240
5	Industries	27,000	25,000	30,000	25,000
6	Totals	28,009	26,538	34,416	29,240
7	Grand total generation (3 + 6)	1,086,927	1,056,561	1,194,048	1,144,649
8	Imports from United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7 + 8 + 9)	1,086,927	1,056,561	1,194,048	1,144,649
	Demand for electric energy:				
11	Residential and farm	40,051	48,258	61,577	71,977
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	934,625	886,029	968,566	913,508
19	Mining consumption	46,244	52,025	56,007	60,599
20	Total industrial consumption (18 + 19)	980,869	938,054	1,024,573	974,107
	Commercial and other consumption:				
21	At power rates	26,183	30,124	55,824	35,476
22	At commercial rates	17,213	16,618	22,928	22,556
23	Street lighting	2,537	2,737	3,823	3,859
24	Totals (21 + 22 + 23)	45,933	49,479	82,575	61,891
25	Line loss, free service and unaccounted for	20,074	20,770	25,323	36,674
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	1,086,927	1,056,561	1,194,048	1,144,649
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	—	—	—
30	Total demand for electric energy (27 + 28 + 29)	1,086,927	1,056,561	1,194,048	1,144,649

TABLE 16. Supply and Demand of Electric Energy, 1950-61— Continued
Newfoundland

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
274,213	704,797	1,009,291	969,891	983,499	1,009,845	1,036,514	935,851	1
873,298	561,130	351,454	343,505	357,344	360,981	388,163	384,701	2
1,147,511	1,265,927	1,360,745	1,313,396	1,340,843	1,370,826	1,424,677	1,320,552	3
5,564	6,658	2,967	12,524	8,576	35,665	47,198	86,751	4
25,506	30,910	32,334	49,789	61,753	42,147	39,684	50,257	5
31,070	37,568	35,301	62,313	70,329	77,812	86,882	137,008	6
1,178,581	1,303,495	1,396,046	1,375,709	1,411,172	1,448,638	1,511,559	1,457,560	7
—	—	—	—	—	—	—	—	8
—	—	—	8,504	—	—	—	—	9
1,178,581	1,303,495	1,396,046	1,384,213	1,411,172	1,448,638	1,511,559	1,457,560	10
87,089	103,400	121,714	132,678	138,766	160,820	169,481	179,761	11
								12
								13
								14
								15
								16
								17
917,464	969,733	966,182	911,183	929,525	944,966	953,905 ^r	890,727	18
66,928	73,438	98,066	108,130	107,251	111,130	118,300	133,410	19
984,392	1,043,171	1,064,248	1,019,313	1,036,776	1,056,096	1,072,205 ^r	1,024,137	20
41,630	47,574	42,231	39,839	38,357	34,949	41,955 ^r	31,382	21
25,296	29,271	32,642	35,511	37,969	41,809	50,429	57,960	22
3,979	4,411	3,883	4,073	4,112	4,429	5,065	5,351	23
70,905	81,256	78,756	79,423	80,438	81,187	97,449 ^r	94,693	24
36,195	75,668	104,391	110,663	110,963	113,141	103,924 ^r	102,712	25
—	—	— 4,559	— 2,484	7,255	— 3,899	— 16,214 ^r	— 18,967 ^r	26
1,178,581	1,303,495	1,364,550	1,339,593	1,374,198	1,407,345	1,426,845	1,382,336	27
—	—	—	—	—	—	—	—	28
—	—	31,496	44,620	36,974	41,293	84,714	75,224	29
1,178,581	1,303,495	1,396,046	1,384,213	1,411,172	1,448,638	1,511,559	1,457,560	30

TABLE 16. Supply and Demand of Electric Energy, 1950-61— Continued
Prince Edward Island

No.		thousands of kilowatt-hours			
		1950	1951	1952	1953
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities.....	371	565	509	366
2	Industries	—	—	—	—
3	Totals	371	565	509	366
	Thermal-generation (net):				
4	Utilities	28,679	32,203	35,370	39,073
5	Industries	—	—	—	—
6	Totals	28,679	32,203	35,370	39,073
7	Grand total generation (3 + 6)	29,050	32,768	35,879	39,439
8	Imports from the United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7 + 8 + 9)	29,050	32,768	35,879	39,439
	Demand for electric energy:				
11	Residential and farm	10,526	11,479	11,954	13,042
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	3,273	3,614	3,656	4,275
19	Mining consumption	—	—	—	—
20	Total industrial consumption (18 + 19)	3,273	3,614	3,656	4,275
	Commercial and other consumption:				
21	At power rates	2,571	2,864	3,604	4,515
22	At commercial rates	7,815	10,063	10,926	11,094
23	Street lighting	498	521	620	766
24	Totals (21 + 22 + 23)	10,884	13,448	15,150	16,375
25	Line loss, free service and unaccounted for	4,367	4,227	5,119	5,747
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	29,050	32,768	35,879	39,439
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	—	—	—
30	Total demand for electric energy (27 + 28 + 29).....	29,050	32,768	35,879	39,439

TABLE 16. Supply and Demand of Electric Energy, 1950-61—Continued
Prince Edward Island

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
645	545	441	370	537	340	415	407	1
—	—	—	—	—	—	—	—	2
645	545	441	370	537	340	415	407	3
41,869	45,885	51,355	56,613	62,492	70,802	79,037	88,150	4
7	7	7	5	5	—	—	—	5
41,876	45,892	51,362	56,618	62,497	70,802	79,037	88,150	6
42,521	46,437	51,803	56,988	63,034	71,142	79,452	88,557	7
—	—	—	—	—	—	—	—	8
—	—	—	—	—	—	—	—	9
42,521	46,437	51,803	56,988	63,034	71,142	79,452	88,557	10
14,053	15,789	18,957	20,560	23,103	27,033	30,130	38,314 ^r	11
								12
								13
								14
								15
								16
								17
5,023	4,987	5,568	5,746	5,727	8,983	8,870 ^r	8,557	18
—	—	—	—	—	—	—	—	19
5,023	4,987	5,568	5,746	5,727	8,983	8,870 ^r	8,557	20
4,739	5,160	2,503	2,131	2,994	2,959	5,312 ^r	2,972	21
11,660	12,420	15,861	18,088	19,507	19,894	20,511	24,746	22
808	785	803	995	1,017	1,238	1,208	1,037	23
17,207	18,365	19,167	21,214	23,518	24,091	27,031 ^r	28,755	24
6,238	7,296	8,012	9,375	10,582	11,035	13,421	12,931	25
—	—	99	93	104	—	—	—	26
42,521	46,437	51,803	56,988	63,034	71,142	79,452	88,557	27
—	—	—	—	—	—	—	—	28
—	—	—	—	—	—	—	—	29
42,521	46,437	51,803	56,988	63,034	71,142	79,452	88,557	30

TABLE 16. Supply and Demand of Electric Energy, 1950-61— Continued
Nova Scotia

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	376,441	494,418	458,912	469,948
2	Industries	151,343	102,743	98,494	90,167
3	Totals	527,784	597,161	557,406	560,115
	Thermal-generation (net):				
4	Utilities	294,968	331,055	456,665	505,560
5	Industries	107,450	137,328	138,376	160,811
6	Totals	402,418	468,383	595,041	666,371
7	Grand total generation (3 + 6)	930,202	1,065,544	1,152,447	1,226,486
8	Imports from the United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7 + 8 + 9)	930,202	1,065,544	1,152,447	1,226,486
	Demand for electric energy:				
11	Residential and farm	147,522	168,349	189,712	222,194
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	374,235	444,321	472,483	498,226
19	Mining consumption	149,463	159,995	173,411	177,775
20	Total industrial consumption (18 + 19)	523,698	604,316	645,894	676,001
	Commercial and other consumption:				
21	At power rates	70,494	81,063	100,528	109,302
22	At commercial rates	72,368	76,959	85,315	89,784
23	Street lighting	8,268	8,527	8,796	9,065
24	Totals (21 + 22 + 23)	151,130	166,549	194,639	208,151
25	Line loss, free service and unaccounted for	102,118	120,101	115,560	113,230
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26) ..	924,468	1,059,315	1,145,805	1,219,576
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	5,734	6,229	6,642	6,910
30	Total demand for electric energy (27 + 28 + 29)	930,202	1,065,544	1,152,447	1,226,486

TABLE 16. Supply and Demand of Electric Energy, 1950-61— Continued
Nova Scotia

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
526,928	499,038	554,685	498,183	606,264	640,255	618,855	512,225	1
67,648	40,937	37,676	28,310	39,336	39,195	36,309	31,785	2
594,576	539,975	592,361	526,493	645,600	679,450	655,164	544,010	3
561,116	697,403	761,004	857,135	793,202	852,688	1,042,399	1,183,598	4
137,743	137,560	127,863	150,209	123,940	117,904	116,370	133,525	5
698,859	834,963	888,867	1,007,344	917,142	970,592	1,158,769	1,317,123	6
1,293,435	1,374,938	1,481,228	1,533,837	1,562,742	1,650,042	1,813,933	1,861,133	7
—	—	—	—	—	—	—	—	8
—	—	—	—	—	—	588	15,214	9
1,293,435	1,374,938	1,481,228	1,533,837	1,562,742	1,650,042	1,814,521	1,876,347	10
248,343	281,846	319,243	356,000	385,465	434,396	461,926	512,244	11
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485,350	497,592	545,385	528,384	479,427	508,055	590,368 ^r	546,939	18
183,701	184,044	184,646	171,895	175,908	156,993	152,588	146,654	19
669,051	681,636	730,031	700,279	655,335	665,048	742,956 ^r	693,593	20
121,391	143,724	154,563	162,897	177,123	196,787	175,749 ^r	203,664	21
96,352	102,862	109,906	121,300	126,006	131,068	138,477	156,025	22
9,348	10,054	10,322	10,046	12,111	12,715	14,261	17,256	23
227,091	256,640	274,791	294,243	315,240	340,570	328,487 ^r	376,945	24
141,714	146,905	156,539	171,677	148,761	150,177	206,565 ^r	219,795	25
—	—	— 7,610	2,780	47,992	45,867	— 6,601 ^r	— 25,885	26
1,286,199	1,367,027	1,472,994	1,524,979	1,552,793	1,636,058	1,733,333	1,776,692	27
—	—	—	—	—	—	—	—	28
7,236	7,911	8,234 ^r	8,858	9,949	13,984	81,188	99,655	29
1,293,435	1,374,938	1,481,228	1,533,837	1,562,742	1,650,042	1,814,521	1,876,347	30

TABLE 16. Supply and Demand of Electric Energy, 1950-61— Continued
New Brunswick

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	472,271	508,832	446,439	483,846
2	Industries	69,039	69,164	69,858	74,412
3	Totals	541,310	577,996	516,297	558,258
	Thermal-generation (net):				
4	Utilities	206,830	229,817	290,013	234,104
5	Industries	283,994	279,369	283,872	327,946
6	Totals	490,824	509,186	573,885	562,050
7	Grand total generation (3 + 6)	1,032,134	1,087,182	1,090,182	1,120,308
8	Imports from United States	17	2	3	3
9	Imports from other provinces	14,651	15,776	16,981	15,001
10	Total supply of electric energy (7 + 8 + 9)	1,046,802	1,102,960 ^f	1,107,166	1,135,312
	Demand for electric energy:				
11	Residential and farm	97,752	110,734	122,859	136,213
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	767,642	798,946	772,225	790,339
19	Mining consumption	5,470	8,431	11,605	12,064
20	Total industrial consumption (18 + 19)	773,112	807,377	783,830	802,403
	Commercial and other consumption:				
21	At power rates	17,818	14,258	31,494	35,507
22	At commercial rates	54,795	55,750	61,089	65,246
23	Street lighting	7,506	7,975	8,787	9,382
24	Totals (21 + 22 + 23)	80,119	77,983	101,370	110,135
25	Line loss, free service and unaccounted for	49,658	57,305	57,648	48,031
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26) ..	1,000,641	1,053,399	1,065,707	1,096,782
28	Total exports to United States	46,128	49,561	41,459	37,975
29	Total exports to other provinces	33	—	—	555
30	Total demand for electric energy (27 + 28 + 29)	1,046,802	1,102,960	1,107,166	1,135,312

TABLE 16. Supply and Demand of Electric Energy, 1950-61— Continued
New Brunswick

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
654,555	497,578	454,448	634,050	954,222	1,050,563	751,809	959,464	1
66,247	53,921	68,490	72,414	68,798	65,272	64,296	61,273	2
720,802	551,499	522,938	706,464	1,023,020	1,115,835	816,105	1,020,737	3
220,566	343,998	441,622	348,883	243,428	255,353	421,131	379,788	4
323,380	396,945	398,193	349,414	346,234	452,285	501,142	511,612	5
543,946	740,943	839,815	698,297	589,662	707,638	922,273	891,400	6
1,264,748	1,292,442	1,362,753	1,404,761	1,612,682	1,823,473	1,738,378	1,912,137	7
3	3	11,451	4,525	591	151	14,724	13,512	8
17,275	18,470	21,621	23,156	25,851	27,986	96,500	118,932	9
1,282,026	1,310,915	1,395,825	1,432,442	1,639,124	1,851,610	1,849,602	2,044,581	10
153,212	171,052	195,768	225,210	253,273	300,825	328,107	362,040	11
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842,120	879,410	886,719	858,471	890,600	968,689	1,054,471 ^F	1,054,209	18
14,602	21,313	22,273	39,516	23,951	19,515	21,023	24,535	19
856,722	900,723	908,992	897,987	914,551	988,204	1,075,494 ^F	1,078,744	20
46,513	63,673	86,514	52,810	147,329	170,922	46,632 ^F	132,298	21
71,734	78,425	84,712	91,425	97,745	105,702	110,215	122,416	22
9,599	9,698	9,901	10,910	12,053	14,262	15,717	18,586	23
127,846	151,796	181,127	155,145	257,127	290,886	172,564 ^F	273,300	24
81,133	54,455	90,548	108,117	87,294	117,337	128,646	112,924	25
—	—	— 5,624	— 2,666	— 15,910	— 4,274	— 20,906	— 2,504	26
1,218,913	1,278,026	1,370,811	1,383,793	1,496,335	1,692,978	1,683,905	1,824,504	27
62,333	32,889	25,014	48,649	142,789	158,621	165,109	204,863	28
780	—	—	—	—	11	588	15,214	29
1,282,026	1,310,915	1,395,825	1,432,442	1,639,124	1,851,610	1,849,602	2,044,581	30

**TABLE 16. Supply and Demand of Electric Energy, 1950 - 61 - Continued
Quebec**

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	20,555,800	22,994,531	24,847,058	24,478,750
2	Industries	7,792,295	7,753,001	8,308,774	10,355,955
3	Totals	28,348,095	30,747,532	33,155,832	34,834,705
	Thermal-generation (net):				
4	Utilities	8,810	11,666	14,296	21,714
5	Industries	108,599	111,702	119,649	111,382
6	Totals	117,409	123,368	133,945	133,096
7	Grand total generation (3 + 6)	28,465,504	30,870,900	33,289,777	34,967,801
8	Imports from United States	383	215	500	720
9	Imports from other provinces	19,310	6,538	8,678	9,421
10	Total supply of electric energy (7 + 8 + 9)	28,485,197	30,877,653	33,298,955	34,977,942
	Demand for electric energy:				
11	Residential and farm	1,199,887	1,434,277	1,680,591	1,954,815
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	17,500,178	19,535,828	21,215,383	22,639,243
19	Mining consumption	668,817	730,627	801,467	779,976
20	Total industrial consumption (18 + 19)	18,168,995	20,266,455	22,016,850	23,419,219
	Commercial and other consumption:				
21	At power rates	812,533	720,340	1,076,218	1,017,879
22	At commercial rates	712,633	786,458	860,104	981,760
23	Street lighting	58,886	63,428	70,157	77,590
24	Totals (21 + 22 + 23)	1,584,052	1,570,226	2,006,479	2,077,229
25	Line loss, free service and unaccounted for	1,637,608	1,889,932	1,918,351	2,082,658
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	22,590,542	25,160,890	27,622,271	29,533,921
28	Total exports to United States	641,772	646,993	664,978	677,975
29	Total exports to other provinces	5,252,883	5,069,770	5,011,706	4,766,046
30	Total demand for electric energy (27 + 28 + 29)	28,485,197	30,877,653	33,298,955	34,977,942

TABLE 16. Supply and Demand of Electric Energy, 1950-61— Continued
Quebec

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
24,728,478	25,854,181	27,250,134	28,529,995	32,028,178	33,262,401	36,155,183	36,045,975	1
10,690,240	10,886,566	10,288,906	9,375,819	11,389,884	11,358,742	13,954,088	13,501,830	2
35,418,718	36,740,747	37,539,040	37,905,814	43,418,062	44,621,143	50,109,271	49,547,805	3
15,644	27,250	19,345	7,927	8,604	29,532	33,183	24,390	4
126,823	163,584	202,204	217,686	208,902	203,251	290,447	283,400	5
142,467	190,834	221,549	225,613	217,506	232,783	323,630	307,790	6
35,561,185	36,931,581	37,760,589	38,131,427	43,635,568	44,853,926	50,432,901	49,855,595	7
539	1,034	306	710	833	852	569	85	8
10,621	10,574	57,306	66,400	51,318	57,436	102,900	184,699	9
35,572,345	36,943,189	37,818,201	38,198,537	43,687,719	44,912,214	50,536,370	50,040,379	10
2,342,693	2,689,760	3,109,448	3,582,204	4,017,294	4,553,174	5,000,588	5,500,250	11
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23,080,637	23,649,068	23,145,105	23,002,859	26,544,195	26,745,458	31,450,603 ^r	29,952,738	18
848,889	1,017,490	1,159,422	1,095,977	1,094,105	1,226,912	1,277,748	1,410,076	19
23,929,526	24,666,558	24,304,527	24,098,836	27,638,300	27,972,370	32,728,351 ^r	31,362,814	20
839,042	1,169,080	1,147,237	812,945	781,964	1,184,618	936,531 ^r	1,179,025	21
1,061,791	1,196,118	1,291,314	1,420,404	1,507,370	1,669,531	1,799,100	2,009,603	22
85,450	97,273	104,929	115,800	123,636	116,183	149,959	166,992	23
1,986,283	2,462,471	2,543,480	2,349,149	2,412,970	2,970,332	2,885,590 ^r	3,355,620	24
2,161,346	2,308,301	2,543,806	2,591,911	2,856,401	2,983,863	3,386,665 ^r	3,539,992	25
—	—	36,133	83,817	229,529	184,414	1,109 ^r	8,680	26
30,419,848	32,127,090	32,537,394	32,705,917	37,154,494	38,664,153	44,002,303	43,767,356	27
659,232	665,519	673,620	549,040	526,336	555,358	569,074	406,814	28
4,493,265	4,150,580	4,607,187	4,943,580	6,006,889	5,692,703	5,964,993	5,866,209	29
35,572,345	36,943,189	37,818,201	38,198,537	43,687,719	44,912,214	50,536,370	50,040,379	30

TABLE 16. Supply and Demand of Electric Energy, 1950 - 61 — Continued
Ontario

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	12,458,421	15,726,748	16,722,830	16,323,488
2	Industries	1,360,482	1,380,329	1,383,343	1,576,649
3	Totals	13,818,903	17,107,077	18,106,173	17,900,137
	Thermal-generation (net):				
4	Utilities	110,753	112,494	419,025	1,773,947
5	Industries	641,603	721,747	706,891	683,087
6	Totals	752,356	834,241	1,125,916	2,457,034
7	Grand total generation (3 + 6)	14,571,259	17,941,318	19,232,089	20,357,171
8	Imports from United States	—	—	—	174,477
9	Imports from other provinces	5,243,966	5,060,223	5,001,367	4,757,955
10	Total supply of electric energy (7 + 8 + 9)	19,815,225	23,001,541	24,233,456	25,289,603
	Demand for electric energy:				
11	Residential and farm	3,662,862	4,148,661	4,639,536	5,166,056
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	9,455,919	10,819,447	10,978,485	11,331,932
19	Mining consumption	941,370	1,184,449	1,159,423	1,133,795
20	Total industrial consumption (18 + 19)	10,397,289	12,003,896	12,137,908	12,465,727
	Commercial and other consumption:				
21	At power rates	931,327	944,302	1,167,365	1,188,280
22	At commercial rates	1,251,450	1,446,862	1,602,981	1,803,444
23	Street lighting	142,999	149,186	164,548	180,582
24	Totals (21 + 22 + 23)	2,325,776	2,540,350	2,934,894	3,172,306
25	Line loss, free service and unaccounted for	2,364,007	2,811,382	2,935,719	3,077,341
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	18,749,934	21,504,289	22,648,057	23,881,430
28	Total exports to United States	1,046,014	1,490,714	1,576,721	1,399,307
29	Total exports to other provinces	19,277	6,538	8,678	8,866
30	Total demand for electric energy (27 + 28 + 29)	19,815,225	23,001,541	24,233,456	25,289,603

TABLE 16. Supply and Demand of Electric Energy, 1950-61—Continued
Ontario

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
18,994,868	23,754,155	25,971,079	26,535,041	26,583,550	30,972,971	33,454,943	32,261,822	1
1,678,798	1,376,480	1,507,118	1,423,996	1,429,023	1,413,849	1,493,568	1,475,304	2
20,673,666	25,130,635	27,478,197	27,959,037	28,012,573	32,386,820	34,948,511	33,737,126	3
962,697	426,131	938,168	1,464,648	607,039	347,909	181,862	532,842	4
666,058	712,251	640,577	696,144	633,103	648,776	684,691	683,622	5
1,628,755	1,138,382	1,578,745	2,160,792	1,240,142	996,685	866,553	1,216,464	6
22,302,421	26,269,017	29,056,942	30,119,829	29,252,715	33,383,505	35,815,064	34,953,590	7
113,039	133,494	174,435	285,472	226,510	481,462	287,436	1,362,298	8
4,483,226	4,140,021	4,709,305	5,071,120	6,024,335	5,804,206	6,044,706	6,001,888	9
26,898,686	30,542,532	33,940,682	35,476,421	35,503,560	39,669,173	42,147,206	42,317,776	10
5,722,569	6,360,522	7,045,900	7,594,393	8,189,413	8,780,654	9,318,141	9,887,316	11
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11,133,582	11,994,908	12,844,362	13,422,568	13,310,293	15,012,867	15,579,234 ^r	15,673,250	18
1,196,133	1,242,794	1,634,423	1,907,547	2,299,372	2,300,703	2,286,664	2,041,911	19
12,329,715	13,237,702	14,478,785	15,330,115	15,609,665	17,313,570	17,865,898 ^r	17,715,161	20
1,597,660	1,688,961	1,643,276	1,753,977	1,437,461	1,892,136	2,095,230 ^r	2,288,658	21
1,931,122	2,145,430	2,418,518	2,609,398	2,833,584	3,067,538	3,365,929	3,765,600	22
192,095	200,000	212,535	228,684	244,962	264,160	281,023	301,341	23
3,720,877	4,034,391	4,274,329	4,592,059	4,516,007	5,223,834	5,742,182 ^r	6,355,599	24
3,269,025	3,311,105	3,781,393	3,750,744	3,813,302	4,346,858	4,388,383 ^r	4,328,292	25
—	—	— 51,042	— 36,431	— 79,431	— 52,352	— 157,497 ^r	— 9,632	26
25,042,186	26,943,720	29,529,365	31,230,880	32,048,956	35,612,564	37,157,107	38,276,736	27
1,846,659	3,588,238	4,385,356	4,222,225	3,404,051	3,865,099	4,759,717	3,526,310	28
9,841	10,574	25,961	23,316	50,553	191,510	230,382	514,730	29
26,898,686	30,542,532	33,940,682	35,476,421	35,503,560	39,669,173	42,147,206	42,317,776	30

**TABLE 16. Supply and Demand of Electric Energy, 1950-61— Continued
Manitoba**

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	2,445,263	2,560,322	2,694,924	2,750,270
2	Industries	1,050	875	1,376	7,537
3	Totals	2,446,313	2,561,197	2,696,300	2,757,807
	Thermal-generation (net):				
4	Utilities	4,120	4,215	4,322	3,669
5	Industries	5,632	6,689	4,632	6,655
6	Totals	9,752	10,904	8,954	10,324
7	Grand total generation (3 + 6)	2,456,065	2,572,101	2,705,254	2,768,131
8	Imports from United States	528	664	723	804
9	Imports from other provinces	474,458	483,608	501,723	508,517
10	Total supply of electric energy (7 + 8 + 9)	2,931,051	3,056,373	3,207,700	3,277,452
	Demand for electric energy:				
11	Residential and farm	689,335	759,478	825,457	898,876
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	875,534	932,286 ¹	1,006,346	1,005,029
19	Mining consumption	134,297	120,816	149,834	128,345
20	Total industrial consumption (18 + 19)	1,009,831	1,053,102	1,156,180	1,133,374
	Commercial and other consumption:				
21	At power rates	456,182	406,874	411,033	322,447
22	At commercial rates	185,802	198,226	216,755	230,186
23	Street lighting	26,838	28,005	28,498	29,116
24	Totals (21 + 22 + 23)	668,822	633,105	656,286	581,749
25	Line loss, free service and unaccounted for	295,275	317,387	301,361	317,023
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	2,663,263	2,763,072	2,939,284	2,931,022
28	Total exports to United States	1	6	6	6
29	Total exports to other provinces ¹	267,787	293,295	268,410	346,424
29	Total demand for electric energy (27 + 28 + 29)	2,931,051	3,056,373	3,207,700	3,277,452

¹ Includes re-exports to Saskatchewan.

TABLE 16. Supply and Demand of Electric Energy, 1950 - 61— Continued
Manitoba

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
3,004,268	3,099,880	3,330,439	3,331,922	3,080,140	3,540,427	3,614,725	3,536,544	1
22,557	24,928	15,955	18,474	33,026	40,000	45,195	52,698	2
3,026,825	3,124,808	3,346,394	3,350,396	3,113,166	3,580,427	3,659,920	3,589,242	3
6,455	4,056	3,249	9,099	133,878	57,996	75,761	249,614	4
8,361	8,225	15,661	17,894	5,976	4,820	6,230	7,753	5
14,816	12,281	18,910	26,993	139,854	62,816	81,991	257,367	6
3,041,641	3,137,089	3,365,304	3,377,389	3,253,020	3,643,243	3,741,911	3,846,609	7
868	993	817	—	—	—	—	—	8
516,115	524,890	555,617	505,855	540,238	728,451	789,259	1,030,184	9
3,558,624	3,662,972	3,921,738	3,883,244	3,793,258	4,371,694	4,531,170	4,876,793	10
1,003,027	1,079,155	1,172,579	1,247,563	1,337,932	1,388,330	1,454,613	1,611,758	11
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1,036,504	1,066,054	1,138,891	1,016,260	979,199	1,177,449	1,243,263 ^r	1,363,354	18
143,433	168,078	147,384	150,394	125,725	167,849	206,729	226,920	19
1,179,937	1,234,132	1,286,275	1,166,654	1,104,924	1,345,298	1,449,992 ^r	1,590,274	20
394,652	254,720	290,720	125,461	87,385	110,406	65,625 ^r	224,319	21
250,374	264,359	275,652	428,508	456,589	488,694	527,969	566,209	22
29,617	29,888	31,952	33,943	35,876	39,802	43,382	49,323	23
674,643	548,967	598,324	587,912	579,850	638,902	636,976 ^r	839,851	24
346,325	460,793	401,298	387,540	395,804	512,991	573,794 ^r	464,498	25
—	—	— 8,373	— 11,214	— 820	— 1,892	— 94,395 ^r	614	26
3,203,932	3,323,047	3,450,103	3,378,455	3,417,690	3,883,629	4,020,980	4,506,995	27
6	6	8	22	28	36	34	38	28
354,686	339,919	471,627	504,767	375,540	488,029	510,156	369,760	29
3,558,624	3,662,972	3,921,738	3,883,244	3,793,258	4,371,694	4,531,170	4,876,793	30

TABLE 16. Supply and Demand of Electric Energy, 1950-61— Continued
Saskatchewan

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	500,720	516,142	544,447	553,459
2	Industries	946	1,760	1,738	1,170
3	Totals	501,666	517,902	546,185	554,629
	Thermal-generation (net):				
4	Utilities	402,424	462,631	534,862	620,672
5	Industries	2,330	19,526	27,789	40,353
6	Totals	404,754	482,157	562,651	661,025
7	Grand total generation (3 + 6).....	906,420	1,000,059	1,108,836	1,215,654
8	Imports from United States	87	99	104	123
9	Imports from other provinces ¹	267,787	293,295	268,410	346,424
10	Total supply of electric energy (7 + 8 + 9).....	1,174,294	1,293,453	1,377,350	1,562,201
	Demand for electric energy:				
11	Residential and farm	128,221	152,010	184,974	226,507
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	207,839	260,945	309,487	381,941
19	Mining consumption	136,833	136,129	88,049	110,835
20	Total industrial consumption (18 + 19)	344,672	397,074	397,536	492,776
	Commercial and other consumption:				
21	At power rates	68,815	76,322	71,439	78,938
22	At commercial rates	76,114	84,000	96,839	106,340
23	Street lighting	9,993	11,058	11,592	13,104
24	Totals (21 + 22 + 23)	154,922	171,380	179,870	198,382
25	Line loss, free service and unaccounted for	72,021	89,381	113,247	136,019
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	699,836	809,845	875,627	1,053,684
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	474,458	483,608	501,723	508,517
30	Total demand for electric energy (27 + 28 + 29)	1,174,294	1,293,453	1,377,350	1,562,201

¹ Includes re-imports.

TABLE 16. Supply and Demand of Electric Energy, 1950-61— Continued
Saskatchewan

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
559,300	569,401	555,466	546,148	548,272	562,072	585,888	620,052	1
4,186	—	15,772	19,872	20,208	25,294	35,941	39,919	2
563,486	569,401	571,238	566,020	568,480	587,366	621,829	659,971	3
732,979	866,566	995,520	1,132,269	1,261,298	1,436,325	1,596,454	1,801,718	4
40,995	73,576 ^f	69,504	103,598	126,383	117,389	64,803	83,415	5
773,974	940,142	1,065,024	1,235,867	1,387,681	1,553,714	1,661,257	1,885,133	6
1,337,460	1,509,543	1,636,262	1,801,887	1,956,161	2,141,080	2,283,086	2,545,104	7
182	232	258	316	365	401	414	429	8
354,686	339,919	356,122	354,425	346,397	367,500 ^f	417,751	214,804	9
1,692,328	1,849,694	1,992,642	2,156,628	2,302,923	2,508,981	2,701,251	2,760,337	10
282,542	327,369	400,215	470,075	515,158	600,526	651,391	697,207	11
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416,115 ^f	437,993	447,746	462,924	463,001	502,914	577,552 ^f	404,708	18
114,160	127,400	211,523	219,398	250,036	273,391	242,710	204,418	19
530,275	565,393	659,269	682,322	713,037	776,305	820,262 ^f	609,126	20
83,781	103,696	88,054	121,051	164,352	89,938	126,487 ^f	261,737	21
126,999	133,891	158,358	166,344	163,257	277,904	290,093	252,081	22
15,187	15,772	19,291	19,725	21,006	20,536	20,469	22,187	23
225,967	253,359	265,703	307,120	348,615	388,378	437,049 ^f	536,005	24
137,429	178,683	114,718	195,400	228,263	195,262	248,658 ^f	323,227	25
—	—	— 2,729	— 2,608	— 6,179	— 4,562	— 33,172 ^f	— 30,157	26
1,176,213	1,324,804	1,437,176	1,652,309	1,798,894	1,955,909	2,124,188	2,135,408	27
—	—	—	—	—	—	—	—	28
516,115	524,890	555,466	504,319	504,029	553,072	577,063	624,929	29
1,692,328	1,849,694	1,992,642	2,156,628	2,302,923	2,508,981	2,701,251	2,760,337	30

TABLE 16. Supply and Demand of Electric Energy, 1950 - 61 - Continued
Alberta

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	340,884	501,027	760,296	796,106
2	Industries	—	—	—	—
3	Totals	340,884	501,027	760,296	796,106
	Thermal-generation (net):				
4	Utilities	528,180	495,918	413,706	543,821
5	Industries	30,009	28,460	30,093	42,509
6	Totals	558,189	524,378	443,799	586,330
7	Grand total generation (3 + 6)	899,073	1,025,405	1,204,095	1,382,436
8	Imports from the United States	226	299	345	345
9	Imports from other provinces	16,430	10,932	3,521	—
10	Total supply of electric energy (7 + 8 + 9)	915,729	1,036,636	1,207,961	1,382,781
	Demand for electric energy:				
11	Residential and farm	164,205	199,287	233,236	282,152
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	303,592	334,373	364,851	424,786
19	Mining consumption	73,229	85,545	92,653	91,572
20	Total industrial consumption (18 + 19)	376,821	419,918	457,504	516,358
	Commercial and other consumption:				
21	At power rates	128,165	141,719	179,992	226,279
22	At commercial rates	120,235	137,446	154,751	167,527
23	Street lighting	13,830	16,107	16,811	17,805
24	Totals (21 + 22 + 23)	262,230	295,272	351,554	411,611
25	Line loss, free service and unaccounted for	112,473	118,609	159,306	172,120
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	915,729	1,033,086	1,201,600	1,382,241
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	3,550	6,361	540
30	Total demand for electric energy (27 + 28 + 29)	915,729	1,036,636	1,207,961	1,382,781

TABLE 16. Supply and Demand of Electric Energy, 1950-61—Continued
Alberta

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
857,150	935,943	979,157	807,253	990,457	842,259	886,595	1,017,731	1
—	—	—	—	—	—	—	—	2
857,150	935,943	979,157	807,253	990,457	842,259	886,595	1,017,731	3
641,335	793,011	1,041,343	1,442,160	1,483,227	1,987,787	2,239,686	2,433,511	4
59,023	80,167	122,973	182,489	254,071	267,420	317,127	319,234	5
700,358	873,178	1,164,316	1,624,649	1,737,298	2,255,207	2,556,813	2,752,745	6
1,557,508	1,809,121	2,143,473	2,431,902	2,727,755	3,097,466	3,443,408	3,770,476	7
—	573	—	573	604	617	633	684	8
15,970	31,803	28,512	24,297	25,520	34,287	33,885	23,570	9
1,573,478	1,841,497	2,171,985	2,456,772	2,753,879	3,132,370	3,477,926	3,794,730	10
355,643	418,970	501,260	564,048	646,048	787,492	867,319	971,567	11
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								17
469,292	542,453	639,347	786,001	870,053	920,010	988,708 ^r	1,052,618	18
82,300	86,718	105,712	109,222	102,944	130,380	171,398	148,645	19
551,592	629,171	745,059	895,223	972,997	1,050,390	1,160,106 ^r	1,201,263	20
259,441	314,442	376,553	436,366	511,040	540,839	613,565 ^r	636,067	21
189,067	215,617	245,244	276,551	299,204	340,339	380,560	523,249	22
18,476	22,992	25,585	29,853	38,393	47,696	53,733	63,170	23
466,984	553,051	647,382	742,770	848,637	928,874	1,047,858 ^r	1,222,486	24
199,259	240,305	255,191	260,902	290,851	350,373	424,389 ^r	435,626	25
—	—	23,093	— 9,310	— 10,940	10,264	— 27,390 ^r	— 37,125	26
1,573,478	1,841,497	2,171,985	2,453,633	2,747,593	3,127,393	3,472,282	3,793,817	27
—	—	—	—	—	—	—	—	28
—	—	—	3,139	6,286	4,977	5,644	913	29
1,573,478	1,841,497	2,171,985	2,456,772	2,753,879	3,132,370	3,477,926	3,794,730	30

TABLE 16. Supply and Demand of Electric Energy, 1950-61— Continued
British Columbia

No.		thousands of kilowatt-hours			
		1950	1951	1952	1953
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	2,389,310	2,592,052	2,835,736	3,252,495
2	Industries	2,087,976	1,943,994	1,937,981	2,092,634
3	Totals	4,477,286	4,536,046	4,773,717	5,345,129
	Thermal-generation (net):				
4	Utilities	106,064	92,750	119,162	87,998
5	Industries	337,148	405,703	489,640	534,182
6	Totals	443,212	498,453	608,802	622,180
7	Grand total generation (3 + 6)	4,920,498	5,034,499	5,382,519	5,967,309
8	Imports from the United States	1,350	7,677	18,310	4,165
9	Imports from other provinces	—	3,550	6,361	540
10	Total supply of electric energy (7 + 8 + 9)	4,921,848	5,045,726	5,407,190	5,972,014
	Demand for electric energy:				
11	Residential and farm	607,427	690,904	788,168	902,341
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	2,820,059	2,861,704	2,974,929	3,279,168
19	Mining consumption	315,213	277,412	327,924	328,842
20	Total industrial consumption (18 + 19)	3,135,272	3,139,116	3,302,853	3,608,010
	Commercial and other consumption:				
21	At power rates	290,382	300,197	320,547	275,662
22	At commercial rates	309,356	337,972	374,645	399,621
23	Street lighting	31,771	32,930	34,421	38,346
24	Totals (21 + 22 + 23)	631,509	671,099	729,613	713,629
25	Line loss, free service and unaccounted for	339,258	345,427	372,989	439,267
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	4,713,466	4,846,546	5,193,623	5,663,247
28	Total exports to United States	191,952	188,248	210,046	308,767
29	Total exports to other provinces	16,430	10,932	3,521	—
30	Total demand for electric energy (27 + 28 + 29)	4,921,848	5,045,726	5,407,190	5,972,014

TABLE 16. Supply and Demand of Electric Energy, 1950-61—Continued
British Columbia

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
3,354,547	3,797,185	4,074,749	4,118,052	5,308,059	5,781,342	5,985,887	6,302,285	1
2,876,739	3,952,138	5,275,809	5,998,284	5,946,684	5,919,897	6,614,607	5,997,345	2
6,231,286	7,749,323	9,350,558	10,116,336	11,254,743	11,701,239	12,600,494	12,299,630	3
92,073	126,123	147,084	147,422	172,629	195,391	219,158	256,143	4
520,541	540,857	573,086	460,279	455,331	476,587	588,731	648,680	5
612,614	666,980	720,170	607,701	627,960	671,978	807,889	904,823	6
6,843,900	8,416,303	10,070,728	10,724,037	11,882,703	12,373,217	13,408,383	13,204,453	7
4,393	22,233	51,906	541,378	16,159	28,519	53,102	17,006	8
—	—	—	3,139	2,081	—	3,024	913	9
6,848,293	8,438,536	10,122,634	11,268,554	11,900,943	12,401,736^r	13,464,509	13,222,372	10
1,063,647	1,256,002	1,445,059	1,657,619	1,775,996	1,963,660	2,102,048	2,199,441	11
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4,005,886	5,162,816	6,497,356	7,278,259	7,753,154	8,134,543	8,975,544 ^r	8,579,821	18
383,618	398,147	408,014	420,969	342,878	312,097	340,675	370,518	19
4,389,504	5,560,963	6,905,370	7,699,228	8,096,032	8,446,640	9,316,219 ^r	8,950,339	20
325,118	354,597	321,351	208,764	247,973	294,944	— 110,622 ^r	— 195,032	21
443,823	510,228	556,576	798,711	867,938	718,117	1,245,836 ^r	1,293,005	22
41,826	44,592	54,296	57,218	61,353	63,485	71,680	81,348	23
810,767	909,417	932,223	1,064,693	1,177,264	1,076,546	1,206,894 ^r	1,179,321	24
418,327	533,543	767,651	789,310	830,092	841,531	904,696 ^r	958,835	25
—	—	24,148	20,863	— 16,675	25,142	— 117,151 ^r	— 108,640	26
6,682,245	8,259,925	10,074,451	11,231,713	11,862,709	12,353,519	13,412,706	13,179,296	27
150,078	146,808	19,671	12,544	12,714	13,930	17,918	19,506	28
15,970	31,803	28,512	24,297	25,520	34,287	33,885	23,570	29
6,848,293	8,438,536	10,122,634	11,268,554	11,900,943	12,401,736	13,464,509	13,222,372	30

TABLE 16. Supply and Demand of Electric Energy, 1950-61— Concluded
Yukon and Northwest Territories

No.		1950	1951	1952	1953
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	26,731	30,762	38,008	52,622
2	Industries	46,544	47,011	51,361	46,563
3	Totals	73,275	77,773	89,369	99,185
	Thermal-generation (net):				
4	Utilities	1,012	1,275	1,310	1,441
5	Industries	10,543	10,327	10,716	10,860
6	Totals	11,555	11,602	12,026	12,301
7	Grand total generation (3 + 6)	84,830	89,375	101,395	111,486
8	Imports from United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7 + 8 + 9)	84,830	89,375	101,395	111,486
	Demand for electric energy:				
11	Residential and farm	2,515	2,677	3,118	3,554
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	572	370	799	1,147
19	Mining consumption	59,164	57,877	82,015	90,806
20	Total industrial consumption (18 + 19)	59,736	58,247	82,814	91,953
	Commercial and other consumption:				
21	At power rates	17,329	21,816	7,994	5,837
22	At commercial rates	1,678	2,147	2,915	3,865
23	Street lighting	150	248	193	200
24	Totals (21 + 22 + 23)	19,157	24,211	11,102	9,902
25	Line loss, free service and unaccounted for	3,422	4,240	4,361	6,077
26	Residual error of estimate	—	—	—	—
27	Total provincial demand (11 + 18 + 19 + 24 + 25 + 26)	84,830	89,375	101,395	111,486
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	—	—	—
30	Total demand for electric energy (27 + 28 + 29)	84,830	89,375	101,395	111,486

TABLE 16. Supply and Demand of Electric Energy, 1950 - 61— Concluded
Yukon and Northwest Territories

1954	1955	1956	1957	1958	1959	1960	1961	No.
thousands of kilowatt-hours								
54,958	60,826	62,283	69,162	88,090	105,270	111,734	133,508	1
48,445	54,771	52,388	52,479	53,629	48,855	48,058	48,522	2
103,403	115,597	114,671	121,641	141,719	154,125	159,792	182,030	3
1,892	3,259	1,873	4,247	7,491	11,692	17,984	26,266	4
10,887	12,482	12,937	31,101	18,827	19,009	11,343	9,808	5
12,779	15,741	14,810	35,348	26,318	30,701	29,327	36,074	6
116,182	131,338	129,481	156,989	168,037	184,826	189,119	218,104	7
—	—	—	—	—	—	—	—	8
—	—	—	—	—	—	—	—	9
116,182	131,338	129,481	156,989	168,037	184,826	189,119	218,104	10
7,695	9,339	8,646	7,268	8,536	10,201	13,270	15,774	11
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								16
								17
1,441	1,410	1,421	1,789	1,986	2,479	2,215 ^F	1,911	18
95,740	108,113	104,002	116,005	127,086	110,879	110,552	118,538	19
97,181	109,523	105,423	117,794	129,072	113,358	112,767 ^F	120,449	20
6,353	6,836	2,399	1,296	8,456	38,369	36,001 ^F	49,820	21
1,938	2,301	2,682	8,138	5,817	14,082	14,139	10,094	22
224	212	229	192	214	198	262	222	23
8,515	9,349	5,310	9,626	14,487	52,649	50,402 ^r	60,136	24
2,791	3,127	9,031	2,448	12,392	11,589	12,615 ^F	24,214	25
—	—	1,071	19,853	3,550	— 2,971	65 ^F	— 2,469	26
116,182	131,338	129,481	156,989	168,037	184,826	189,119	218,104	27
—	—	—	—	—	—	—	—	28
—	—	—	—	—	—	—	—	29
116,182	131,338	129,481	156,989	168,037	184,826	189,119	218,104	30

CATALOGUE No.

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ANNUAL



Canada. Statistics, Bureau of

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1964



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SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- p preliminary figures.
- r revised figures.

INTRODUCTION

Total installed generating capacity in Canada at the end of 1964 amounted to 27,027,347 kilowatts, 2.8 per cent more than the total of 26,300,644 kilowatts in 1963. Utilities accounted for 21,890,953 kilowatts compared with 21,200,117 kilowatts in 1963, while industry had a capacity of 5,136,394 kilowatts and 5,100,527 kilowatts in 1964 and 1963 respectively. Hydraulic installations in 1964 accounted for 75.2 per cent of the total and thermal plants, 24.8 per cent compared with 76.2 and 23.8 in 1963. New thermal installations in 1964 exceeded new hydraulic installations in contrast to 1963 when thermal installations were exceeded by hydraulic.

Quebec had the largest generating capacity at 9,838,392 kilowatts or 36.4 per cent of the national total, followed by Ontario with 32.4 per cent and British Columbia with 12.7 per cent. The largest increase in generating capacity was in Ontario where the increase amounted to 295,115 kilowatts. Quebec increased its capacity by 271,375 kilowatts; Saskatchewan by 100,711 kilowatts and Alberta by 87,062 kilowatts. The report "Inventory of Prime Mover and Electric Generating Equipment as at December 31, 1961" Catalogue No. 57-502 gives additional details on generating stations.

The largest thermal generating capacities were in Ontario with 42.2 per cent, Alberta with 14.3 per cent, British Columbia with 12.2 per cent and Saskatchewan with 9.6 per cent.

The greatest increase in thermal capacity occurred in Ontario where an additional 300,000 kilowatt unit was installed at the Lakeview generating station in 1964. In Quebec the installation of a 150,000 kilowatt unit at the Tracy plant was completed. One unit of 33,000 kilowatts was added to the Battle River generating station in Alberta.

The increase in hydraulic capacity in Quebec was accounted for by four additional 46,750 kilowatt units which were placed in service during the year in the Hydro Quebec Carillon plant and also by one unit of 12,000 kilowatts at the Rapid II station on the Upper Ottawa River. Two units of 33,500 kilowatts were added to the Squaw Rapids generating station in Saskatchewan.

Net generation (total generation less energy used in generating station service) increased 10.4 per cent in 1964 to 134,986,747 thousand kilowatt-hours from 122,238,194 thousand kilowatt-hours one year earlier. Generation by electric utilities increased 10.0 per cent to 102,889,082 thousand kilowatt-hours from 93,501,226 thousand kilowatt-hours while accounting for 76.2 per cent of total production compared with 76.5 per cent in 1963. Generation by industry rose to 32,097,665 thousand kilowatt-hours from 28,736,968 thousand kilowatt-hours a year earlier.

Generation from hydraulic facilities amounted to 84.0 per cent while thermal was 16.0 per cent. Although Quebec had 36 per cent of total generating capacity in 1964, it accounted for 42 per cent of total generation, followed by Ontario with 29 per cent and British Columbia with 13 per cent.

The data which were contained in Tables 3 and 4 in previous annual publications have been combined in Table 3 in this publication. The table has been expanded to show the complete supply and disposal details for public utilities, private utilities, industrial establishments, combined public and private utilities, and combined utilities and industrial establishments. The concept "generated for use in own plant by industrial establishments" has been entirely eliminated because it was becoming increasingly difficult to obtain meaningful data. For persons interested in maintaining historical continuity, a close approximation to "generated for use in own plant" may be obtained by deducting all sales and deliveries by industrial establishments (including inter-industrial establishment sales) from industrial generation.

Electric energy made available in Canada increased 10.2 per cent and total generation increased 10.4 per cent. Imports rose to 3,121,229 thousand kilowatt-hours from 2,884,283 thousand kilowatt-hours and exports increased 15.1 per cent to 4,159,475 thousand kilowatt-hours from 3,612,834 thousand kilowatt-hours. Secondary energy consumption amounted to 4,687,053 thousand kilowatt-hours as compared with 4,661,980 thousand kilowatt-hours in 1963. In 1964 secondary energy used in electric boilers and that used for other purposes has been combined.

Total sales of electricity to ultimate customers (including sales to industrial establishments with generating facilities) increased 8.7 per cent to 97,010,460 thousand kilowatt-hours from the 1963 total of 89,209,338 thousand kilowatt-hours. Power customers purchased 56,596,870 thousand kilowatt-hours or 58.3 per cent of the total (58.4 per cent in 1963); general service (commercial) customers, 12,194,511 thousand kilowatt-hours or 12.5 per cent (12.2 per cent in 1963); domestic and farm customers, 27,277,574 thousand kilowatt-hours or 28.1 per cent (28.4 per cent in 1963). Street lighting accounted for the remaining 941,505 thousand kilowatt-hours of electricity sold. In addition, some 12,029,583 thousand kilowatt-hours of energy available for disposal were reported lost and unaccounted for. This compares with 11,118,829 thousand kilowatt-hours in 1963.

A 3.5 per cent rise in the average number of ultimate customers brought the total to 5,852,783 from 5,654,854 in 1963. Domestic and farm customers also increased 3.5 per cent to 5,150,890 from 4,975,066, while the number of general service (commercial) customers showed a rise to 609,688

from 575,929. Power customers, however again showed a decrease of 11.7 per cent in 1964 to 85,437 from 96,774. This decrease is attributable to reclassification of customers in the power and commercial categories.

Revenue received from sales to ultimate customers totalled \$1,029,815,000, up 6.6 per cent from the 1963 total of \$966,162,000. Power customers produced revenues of \$381,929,000 versus \$359,541,000; general service (commercial) customers, \$222,969,000 versus \$200,929,000; domestic and farm customers, \$401,194,000 versus \$383,983,000 and street lighting customers, \$23,723,000 versus \$21,709,000. Revenue obtained from export sales to the U.S.A. amounted to \$9,920,000 compared with \$6,653,000 in 1963. Energy imported from the U.S.A. in 1964 cost \$2,964,000, up slightly from the 1963 figure of \$2,888,000.

The average revenue per kilowatt-hour for domestic and farm service declined 3.3 per cent to 1.47 cents from 1.52 cents in 1963.

The average annual bill for domestic and farm customers rose 1.0 per cent in 1964 to \$77.89 from \$77.10 in 1963. The increase was due to a rise in annual consumption of 4.2 per cent to 5,296 kilowatt-hours from 5,084 kilowatt-hours in 1963. Averages varied widely from province to province, the low of 2,192 kilowatt-hours being recorded in Prince Edward Island and the high of 6,919 kilowatt-hours being registered in Manitoba. While many utilities do not distinguish between domestic and farm customers in their records, those that have reported farm service separately show an average increase in consumption of 6.3 per cent to 6,361 kilowatt-hours from 5,985 and an increase in the average annual bill to \$118.54 from \$117.16. The average cost of farm service dropped from 1.96 to 1.86 cents per kilowatt-hour.

Electric utilities reported an expenditure of \$60,530,081 on fuel for thermal electric plants in 1964, an increase of 15.5 per cent from the \$52,421,857 reported one year earlier. The amount spent on oil increased 32.7 per cent to \$12,345,201 from \$9,301,110 and on natural gas 7.7 per cent to \$7,989,336 from \$7,421,504. At the same time, expenditure for coal increased 12.6 per cent to \$40,180,951 from \$35,671,129.

Coal accounted for 70.5 per cent of total thermal generation in 1964 against 68.9 per cent in 1963; natural gas was responsible for 18.8 per cent and petroleum fuels 9.9 per cent in 1964 as compared with 22.4 per cent and 8.1 per cent respectively in 1963.

Wages and salaries paid by the electric utility industry amounted to \$247,280,000 in 1964, an increase of 9.3 per cent over the \$226,302,000 in 1963. Publicly-operated utilities reported wages and salaries totalling \$225,505,000, an increase of 10.9 per cent from the \$203,413,000 in 1963 while privately-operated utilities paid \$21,775,000

as against \$22,889,000. Employees (excluding construction workers) showed an increase in number to 43,205 from 41,344 in 1963. A total of 38,944 were employed by publicly-operated utilities versus 36,768 one year earlier.

Total assets of the electric utility industry stood at \$9,130,689,000 at the end of 1964 compared with \$8,384,131,000 one year earlier, an increase of \$746,558,000 or 8.9 per cent. Total electric utility fixed assets after depreciation amounted to \$7,727,649,000 as against \$7,300,530,000 in 1963, an increase of \$427,119,000. This increase in fixed assets was financed by an increase of \$452,764,000 in long term debt.

Operating revenues of electric utilities rose 10.2 per cent in 1964, increasing to \$1,308,293,000 from \$1,186,822,000. Operating expenses also rose to \$868,245,000 from \$787,157,000 an increase of 10.3 per cent and operating income increased 10.1 per cent to \$440,048,000 from \$399,665,000. Net income in 1964, therefore, increased 23.7 per cent to \$115,292,000 from \$93,225,000.

Municipal taxes in 1964 rose to \$26,550,000 from \$25,745,000. Provincial and federal taxes were reported at \$25,380,000 and \$2,613,000 compared with \$7,064,000 and \$1,515,000 respectively for the previous year.

Utilities' expenditures on capital and repair projects, for generating, transmission and distribution facilities (Table 16) showed an increase of some 72 million dollars to 533 million in 1964 from 461 million in 1963.

Table 17 gives an historical summary of supply and disposal of electric energy for the years 1951-62. The industrial consumption of electric energy is based, in part, on data collected by the Industry Division of the Dominion Bureau of Statistics in the Census of Manufactures reports. Due to the fact that these reports are concerned primarily with consumers rather than producers of electric energy and are completed on the basis of different concepts and for different reporting periods, considerable difficulty is encountered in reconciling the two sets of data. For example, energy transferred between two establishments within the same organization may be reported under purchases in Census of Manufactures reports but as produced for own use in Electric Power Statistics reports.

Another example of different concepts in the two reports appears in the "commercial and other consumption" category. Commercial consumption at power rates is calculated by deducting purchases as shown in The Census of Manufactures reports from power sales as shown in The Electric Power Statistics reports. In 1960, 1961 and 1962, in the province of British Columbia a reclassification of customers from "power" to "commercial" has resulted in a net negative amount recorded in the "power rates" category. This negative amount is offset by the large increase in consumption in the

commercial "at commercial rates" category. In effect this means that sales at commercial rates includes sales to large commercial type consumers as well as sales to smaller industrial plants at commercial rates.

In order to bring the different concepts to a common basis, the "generated for own use" and "purchased" figures are adjusted from the figures in the Census of Manufactures publications and are in conformity with the figures used in Electric Power Statistics.

Consumption of electric power in each province for certain manufacturing groups is confidential due to the limited number of firms in any one group. As a result, only the total manufacturing consumption has been shown in the provincial tabulations in Table 17.

During the eleven year period 1951-62, total net generation increased at an annual compound rate of 6.0 per cent. The largest increase was 13.4 per cent in Alberta followed by Prince Edward Island, British Columbia and Saskatchewan with increases of 10.9 per cent, 10.2 per cent and 9.5 per cent respectively.

Net hydro-generation increased at an annual compound rate of 5.4 per cent between 1951 and 1962 while net thermal-generation increased at a 13.0 per cent rate.

Residential and farm consumption of electric energy increased at a compound growth rate of 10.7 per cent over the eleven year period 1951-62 while consumption by industrial and commercial consumers rose 4.7 per cent and 9.1 per cent respectively. Of the individual industries, mining showed the largest growth rate (5.3 per cent) followed by smelting and refining (5.0 per cent).

TABLE 1. Installed Generating Capacity at End of Year, 1964

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
		nameplate rating in kilowatts			
	Electric utilities and industrial establishments:				
	Hydro:				
1	Water-wheels and turbines	20,313,269	452,770	—	142,911
	Thermal:				
2	Steam engines and turbines	5,960,056	45,000	50,500	377,128
3	Internal combustion engines.....	340,625	15,190	6,991	12,890
4	Gas turbines	413,397	—	—	—
5	Total thermal	6,714,078	60,190	57,491	390,018
6	Total installed generating capacity	27,027,347	512,960	57,491	532,929
7	Per cent of total for Canada.....	100.00	1.90	0.21	1.97
	Electric utilities:				
	Publicly and privately-operated:				
	Hydro:				
8	Water-wheels and turbines.....	16,085,077	387,680	—	137,561
	Thermal:				
9	Steam engines and turbines	5,115,111	35,000	50,500	326,350
10	Internal combustion engines.....	285,805	14,590	6,991	7,890
11	Gas turbines	404,960	—	—	—
12	Total thermal	5,805,876	49,590	57,491	334,240
13	Total installed generating capacity	21,890,953	437,270	57,491	471,801
14	Per cent of total for Canada.....	100.00	2.00	0.26	2.16
	Publicly-operated:				
	Hydro:				
15	Water-wheels and turbines	14,307,299	—	—	97,768
	Thermal:				
16	Steam engines and turbines	4,405,611	—	—	86,850
17	Internal combustion engines.....	230,480	5,190	6,891	5,970
18	Gas turbines	356,460	—	—	—
19	Total thermal	4,992,551	5,190	6,891	92,820
20	Total installed generating capacity	19,299,850	5,190	6,891	190,588
21	Per cent of total for Canada.....	100.00	0.03	0.04	0.99
	Privately-operated:				
	Hydro:				
22	Water-wheels and turbines	1,777,778	387,680	—	39,793
	Thermal:				
23	Steam engines and turbines	709,500	35,000	50,500	239,500
24	Internal combustion engines.....	55,325	9,400	100	1,920
25	Gas turbines	48,500	—	—	—
26	Total thermal	813,325	44,400	50,600	241,420
27	Total installed generating capacity	2,591,103	432,080	50,600	281,213
28	Per cent of total for Canada.....	100.00	16.68	1.95	10.85
	Industrial establishments:				
	Hydro:				
29	Water-wheels and turbines	4,228,192	65,090	—	5,350
	Thermal:				
30	Steam engines and turbines	844,945	10,000	—	50,778
31	Internal combustion engines.....	54,820	600	—	5,000
32	Gas turbines	8,437	—	—	—
33	Total thermal	908,202	10,600	—	55,778
34	Total installed generating capacity	5,136,394	75,690	—	61,128
35	Per cent of total for Canada	100.00	1.47	—	1.19

¹ Includes 20,000 Kw. nuclear generating capacity.

TABLE 1. Installed Generating Capacity at End of Year, 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T	No.
nameplate rating in kilowatts								
230,836	9,555,543	5,920,021	743,750	320,040	290,790	2,611,058	45,550	1
297,150	220,100	2,796,491 ¹	321,600	557,000	777,062	517,425	600	2
8,382	26,749	35,096	9,941	37,152	39,816	128,566	19,852	3
—	36,000	—	4,000	53,360	143,037	175,500	1,500	4
305,532	282,849	2,831,587	335,541	647,512	959,915	821,491	21,952	5
536,368	9,838,392	8,751,608	1,079,291	967,552	1,250,705	3,432,549	67,502	6
1.99	36.40	32.38	3.99	3.58	4.63	12.70	0.25	7
216,636	6,930,410	5,665,178	733,400	307,740	290,790	1,383,542	32,140	8
199,750	150,000	2,484,200	314,000	534,000	720,711	300,000	600	9
8,382	24,177	33,756	8,860	26,535	31,166	106,622	16,836	10
—	36,000	—	4,000	53,360	134,600	175,500	1,500	11
208,132	210,177	2,517,956	326,860	613,895	886,477	582,122	18,936	12
424,768	7,140,587	8,183,134	1,060,260	921,635	1,177,267	1,965,664	51,076	13
1.94	32.62	37.38	4.84	4.21	5.38	8.98	0.23	14
206,596	6,368,010	5,350,743	733,400	201,000	—	1,319,292	30,490	15
199,750	150,000	2,484,200 ¹	314,000	534,000	336,211	300,000	600	16
8,382	20,477	28,111	8,860	26,535	2,056	106,007	12,001	17
—	36,000	—	4,000	53,360	86,100	175,500	1,500	18
208,132	206,477	2,512,311	326,860	613,895	424,367	581,507	14,101	19
414,728	6,574,487	7,863,054	1,060,260	814,895	424,367	1,900,799	44,591	20
2.15	34.06	40.74	5.49	4.22	2.20	9.85	0.23	21
10,040	562,400	314,435	—	106,740	290,790	64,250	1,650	22
—	—	—	—	—	384,500	—	—	23
—	3,700	5,645	—	—	29,110	615	4,835	24
—	—	—	—	—	48,500	—	—	25
—	3,700	5,645	—	—	462,110	615	4,835	26
10,040	566,100	320,080	—	106,740	752,900	64,865	6,485	27
0.39	21.85	12.35	—	4.12	29.06	2.50	0.25	28
14,200	2,625,133	254,843	10,350	12,300	—	1,227,516	13,410	29
97,400	70,100	312,291	7,600	23,000	56,351	217,425	—	30
—	2,572	1,340	1,081	10,617	8,650	21,944	3,016	31
—	—	—	—	—	8,437	—	—	32
97,400	72,672	313,631	8,681	33,617	73,438	239,369	3,016	33
111,600	2,697,805	568,474	19,031	45,917	73,438	1,466,885	16,426	34
2.17	52.52	11.07	0.37	0.90	1.43	28.56	0.32	35

TABLE 2. Generation of Energy, 1964

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours ¹			
	Electric utilities and industrial establishments:				
1	Hydro:				
	Water-wheels and turbines	113,343,948	2,294,853	—	722,426
2	Thermal:				
3	Steam engines and turbines	20,532,479	97,970	118,586	1,667,785
4	Internal combustion engines	760,869	31,263	5,396	12,414
5	Gas turbines	349,451	—	—	—
6	Total thermal	21,642,799	129,233	123,982	1,680,199
7	Total energy generated	134,986,747	2,424,086	123,982	2,402,625
	Per cent of total for Canada	100.00	1.80	0.09	1.78
	Electric utilities:				
	Publicly and privately-operated:				
8	Hydro:				
	Water-wheels and turbines	84,871,487	1,873,284	—	684,122
9	Thermal:				
10	Steam engines and turbines	17,045,869	56,970	118,586	1,441,049
11	Internal combustion engines	668,357	31,263	5,396	12,414
12	Gas turbines	303,369	—	—	—
13	Total thermal	18,017,595	88,233	123,982	1,453,463
14	Total energy generated	102,889,082	1,961,517	123,982	2,137,585
	Per cent of total for Canada	100.00	1.91	0.12	2.08
	Publicly-operated:				
15	Hydro:				
	Water-wheels and turbines	76,006,973	—	—	492,025
16	Thermal:				
17	Steam engines and turbines	13,497,209	—	—	303,648
18	Internal combustion engines	543,713	18,717	5,396	12,403
19	Gas turbines	206,179	—	—	—
20	Total thermal	14,247,101	18,717	5,396	316,051
21	Total energy generated	90,254,074	18,717	5,396	808,076
	Per cent of total for Canada	100.00	0.02	0.01	0.89
	Privately-operated:				
22	Hydro:				
	Water-wheels and turbines	8,864,514	1,873,284	—	192,097
23	Thermal:				
24	Steam engines and turbines	3,548,660	56,970	118,586	1,137,401
25	Internal combustion engines	124,644	12,546	—	11
26	Gas turbines	97,190	—	—	—
27	Total thermal	3,770,494	69,516	118,586	1,137,412
28	Total energy generated	12,635,008	1,942,800	118,586	1,329,509
	Per cent of total for Canada	100.00	15.38	0.94	10.52
	Industrial establishments:				
29	Hydro:				
	Water-wheels and turbines	28,472,461	421,569	—	38,304
30	Thermal:				
31	Steam engines and turbines	3,486,610	41,000	—	226,736
32	Internal combustion engines	92,512	—	—	—
33	Gas turbines	46,082	—	—	—
34	Total thermal	3,625,204	41,000	—	226,736
35	Total energy generated	32,097,665	462,569	—	265,040
	Per cent of total for Canada	100.00	1.44	—	0.83

¹ Kilowatt-hours generated after deducting station service.

TABLE 2. Generation of Energy, 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours ¹								
1,023,516	56,362,217	30,186,345	4,800,712	1,369,211	895,860	15,480,140	208,668	1
1,524,358	431,080	9,463,187 ²	159,278	1,786,143	3,814,917	1,466,812	2,363	2
7,917	38,176	75,703	23,822	62,450	100,036	363,877	39,815	3
—	628	—	7,351	121,375	216,034	1,842	2,221	4
1,532,275	469,884	9,538,890	190,451	1,969,968	4,130,987	1,832,531	44,399	5
2,555,791	56,832,101	39,725,235	4,991,163	3,339,179	5,026,847	17,312,671	253,067	6
1.89	42.10	29.43	3.70	2.47	3.72	12.83	0.19	7
962,946	38,040,775	28,601,433	4,735,222	1,289,930	895,860	7,622,689	165,226	8
936,667	74,222	8,574,049	149,391	1,728,730	3,506,880	456,962	2,363	9
7,917	37,206	74,229	22,894	61,801	72,777	309,796	32,664	10
—	628	—	7,351	121,375	169,952	1,842	2,221	11
944,584	112,056	8,648,278	179,636	1,911,906	3,749,609	768,600	37,248	12
1,907,530	38,152,831	37,249,711	4,914,858	3,201,836	4,645,469	8,391,289	202,474	13
1.85	37.08	36.20	4.78	3.11	4.51	8.16	0.20	14
910,862	34,554,681	27,334,074	4,735,222	673,329	—	7,151,987	154,793	15
936,667	74,222	8,574,049	149,391	1,728,730	1,271,177	456,962	2,363	16
7,917	34,121	53,114	22,894	61,794	8,347	295,879	23,131	17
—	628	—	7,351	121,375	72,762	1,842	2,221	18
944,584	108,971	8,627,163	179,636	1,911,899	1,352,286	754,683	27,715	19
1,855,446	34,663,652	35,961,237	4,914,858	2,585,228	1,352,286	7,906,670	182,508	20
2.06	38.41	39.84	5.45	2.86	1.50	8.76	0.20	21
52,084	3,486,094	1,267,359	—	616,601	895,860	470,702	10,433	22
—	—	—	—	—	2,235,703	—	—	23
—	3,085	21,115	—	7	64,430	13,917	9,533	24
—	—	—	—	—	97,190	—	—	25
—	3,085	21,115	—	7	2,397,323	13,917	9,533	26
52,084	3,489,179	1,288,474	—	616,608	3,293,183	484,619	19,966	27
0.41	27.61	10.20	—	4.88	26.06	3.84	0.16	28
60,570	18,321,442	1,584,912	65,490	79,281	—	7,857,451	43,442	29
587,691	356,858	889,138	9,887	57,413	308,037	1,009,850	—	30
—	970	1,474	928	649	27,259	54,081	7,151	31
—	—	—	—	—	46,082	—	—	32
587,691	357,828	890,612	10,815	58,062	381,378	1,063,931	7,151	33
648,261	18,679,270	2,475,524	76,305	137,343	381,378	8,921,382	50,593	34
2.02	58.19	7.71	0.24	0.43	1.19	27.79	0.16	35

² Includes 141,407 thousand kilowatt hours of nuclear generation.

TABLE 3. Supply and Disposal of Electric Energy, 1964

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities and industrial establishments				
	Supply of energy:				
1	Total energy generated (Table 2)	134,986,747	2,424,086	123,982	2,402,625
	Energy received from other provinces and imported:				
2	Received from other provinces .....	...	—	—	42,859
3	Imported from United States	3,121,229	—	—	—
4	Total received from other provinces and imported (2 + 3)	3,121,229	—	—	42,859
5	Total supply of energy (1 + 4)	138,107,976	2,424,086	123,982	2,445,484
	Disposal of energy:				
	Energy delivered to other provinces and exported:				
6	Delivered to other provinces — Firm .....	...	54,754	—	6,636
7	Secondary .....	...	30,306	—	113,377
8	Exported to United States — Firm	870,610	—	—	—
	Secondary	3,288,865	—	—	—
10	Total delivered to other provinces and exported (6 + 7 + 8 + 9)	4,159,475	85,060	—	120,013
11	Total made available in Canada (5 - 10)	133,948,501	2,339,026	123,982	2,325,471
12	Secondary used in Canada (15 + 18)	4,687,053	13,905	—	2,101
13	Firm energy made available in Canada (11-12)	129,261,448	2,325,121	123,982	2,323,370
	Energy used in own plant:				
14	Firm	36,653,624	438,752	139	566,165
15	Secondary	2,921,137	4,196	—	—
16	Total energy used in own plant (14 + 15)	39,574,761	442,948	139	566,165
	Sales to ultimate customers:				
17	Power — Firm	40,164,651	1,467,734	16,408	412,639
18	Secondary	1,765,916	9,709	—	2,101
19	General service (commercial)	12,194,511	81,726	42,621	454,282
20	Domestic and farm	27,277,574	226,661	47,024	655,194
21	Street lighting	941,505	6,975	1,590	22,718
22	Total sales to ultimate customers (17 + 18 + 19 + 20 + 21)	82,344,157	1,792,805	107,643	1,546,934
23	Losses and unaccounted for	12,029,583	103,273	16,200	212,372
24	Total disposal of energy (10 + 16 + 22 + 23)	138,107,976	2,424,086	123,982	2,445,484

See footnotes at end of table.

TABLE 3. Supply and Disposal of Electric Energy, 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
2,555,791	56,832,101	39,725,235	4,991,163	3,339,179	5,026,847	17,312,671	253,067	1
144,813	128,617	7,026,401	852,847 ¹	23,362	22,145	12	—	2
6,334	734	2,906,892	—	657	728	205,884 ²	—	3
151,147	129,351	9,933,293	852,847	24,019	22,873	205,896	—	4
2,706,938	56,961,452	49,658,528	5,844,010	3,363,198	5,049,720	17,518,567	253,067	5
20	4,350,929	28,242	4,619	603,876 ¹	12	817	—	6
42,859	2,667,928 ³	255,726	51,087	8,540	—	21,328 ⁴	—	7
162,894	7,139	698,398	—	—	—	2,179	—	8
82,323	40,324	3,140,358	—	—	—	25,860 ⁵	—	9
288,096	7,066,320	4,122,724	55,706	612,416	12	50,184	—	10
2,418,842	49,895,132	45,535,804	5,788,304	2,750,782	5,049,708	17,468,383	253,067	11
195	3,542,057	689,474	158,981	19,568	13,650	185,543	61,579	12
2,418,647	46,353,075	44,846,330	5,629,323	2,731,214	5,036,058	17,282,840	191,488	13
1,046,899	16,857,704	6,951,669	876,987	96,331	520,214	9,256,132	42,632	14
195	2,120,270	496,012	88,024	19,568	—	185,543	7,329	15
1,047,094	18,977,974	7,447,681	965,011	115,899	520,214	9,441,675	49,961	16
481,389	15,138,540	16,178,323	1,694,593	702,754	1,779,698	2,225,223	67,350	17
—	1,421,787	193,462	70,957	—	13,650	—	54,250	18
243,121	2,488,443	5,049,958	685,411	521,066	769,603	1,826,551	31,729	19
451,772	7,343,251	11,773,266	1,786,931	945,545	1,295,326	2,727,959	24,645	20
19,689	242,513	368,070	62,985	28,152	93,494	94,689	630	21
1,195,971	26,634,534	33,563,079	4,300,877	2,197,517	3,951,771	6,874,422	178,604	22
175,777	4,282,624	4,525,044	522,416	437,366	577,723	1,152,286	24,502	23
2,706,938	56,961,452	49,658,528	5,844,010	3,363,198	5,049,720	17,518,567	253,067	24

TABLE 3. Supply and Disposal of Electric Energy, 1964 — Continued

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities				
	Publicly and privately-operated:				
	Supply of energy:				
1	Total energy generated (Table 2)	102,889,082	1,961,517	123,982	2,137,585
	Energy received from other provinces and imported:				
2	Received from other provinces .....	...	—	—	42,859
3	Imported from United States	3,120,515	—	—	—
4	Total received from other provinces and im- ported (2 + 3)	3,120,515	—	—	42,859
5	Energy received from industrial establishments	4,750,287	—	—	8,504 ⁷
6	Total supply of energy (1 + 4 + 5)	110,759,884	1,961,517	123,982	2,188,948
	Disposal of energy:				
	Energy delivered to other provinces and exported:				
7	Delivered to other provinces — Firm .....	...	—	—	6,636
8	Secondary .....	...	—	—	113,377
9	Exported to United States — Firm	709,598	—	—	—
10	Secondary	3,288,865	—	—	—
11	Total delivered to other provinces and exported (7 + 8 + 9 + 10)	3,998,463	—	—	120,013
12	Total made available in Canada (6 - 11)	106,761,421	1,961,517	123,982	2,068,935
13	Secondary used in Canada (16 + 20)	1,641,509	9,709	—	2,101
14	Firm energy made available in Canada (12 - 13)	105,119,912	1,951,808	123,982	2,066,834
	Energy used in own plant:				
15	Firm	679,149	18,451	139	19,515
16	Secondary	222,710	—	—	—
17	Total energy used in own plant (15 + 16)	901,859	18,451	139	19,515
18	Energy delivered to industrial establishments with generating facilities	13,322,529	53,308	—	290,433
	Sales to ultimate customers:				
19	Power — Firm	39,973,753	1,467,521	16,408	412,573
20	Secondary	1,418,799	9,709	—	2,101
21	General service (commercial)	12,061,319	81,395	42,621	454,282
22	Domestic and farm	27,210,224	225,976	47,024	655,194
23	Street lighting	939,240	6,975	1,590	22,718
24	Total sales to ultimate customers (19 + 20 + 21 + 22 + 23)	81,603,335	1,791,576	107,643	1,546,868
25	Losses and unaccounted for	10,933,698	98,182	16,200	212,119
26	Total disposal of energy (11+17+18+24+25)	110,759,884	1,961,517	123,982	2,188,948

See footnotes at end of table.

TABLE 3. Supply and Disposal of Electric Energy, 1964 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
1,907,530	38,152,831	37,249,711	4,914,858	3,201,836	4,645,469	8,391,289	202,474	1
144,813	43,557	7,026,401	819,819	23,362	22,145	12	—	2
6,334	734	2,906,892	—	657	728	205,170 ⁶	—	3
151,147	44,291	9,933,293	819,819	24,019	22,873	205,182	—	4
20,864	4,018,582	255,051 ⁸	—	3,074	4,882	437,009 ⁹	2,321	5
2,079,541	42,215,704	47,438,055	5,734,677	3,228,929	4,673,224	9,033,480	204,795	6
20	4,350,929	28,242	4,619	570,848	12	817	—	7
42,859	2,667,928 ³	255,726	51,087	8,540	—	21,328 ⁴	—	8
71,364	7,139	628,916	—	—	—	2,179	—	9
82,323	40,324	3,140,358	—	—	—	25,860 ⁵	—	10
196,566	7,066,320	4,053,242	55,706	579,388	12	50,184	—	11
1,882,975	35,149,384	43,384,813	5,678,971	2,649,541	4,673,212	8,983,296	204,795	12
—	1,232,177	193,462	135,658	—	13,650	—	54,752	13
1,882,975	33,917,207	43,191,351	5,543,313	2,649,541	4,659,562	8,983,296	150,043	14
5,861	412,200	53,299	2,794	14,251	56,130	93,268	3,241	15
—	157,507	—	64,701	—	—	—	502	16
5,861	569,707	53,299	67,495	14,251	56,130	93,268	3,743	17
526,908	4,918,682	5,353,569 ¹⁰	800,249	505	87,230	1,287,072	4,573	18
469,757	15,000,775	16,143,677	1,694,529	702,754	1,777,486	2,220,923	67,350	19
—	1,074,670	193,462	70,957	—	13,650	—	54,250	20
243,121	2,484,574	5,048,198	682,558	521,066	769,497	1,703,029	30,978	21
451,772	7,332,236	11,754,937	1,780,555	945,545	1,294,631	2,698,061	24,293	22
19,689	242,278	367,909	62,587	28,152	93,479	93,233	630	23
1,184,339	26,134,533	33,508,183	4,291,186	2,197,517	3,948,743	6,715,246	177,501	24
165,867	3,526,462	4,469,762	520,041	437,268	581,109	887,710	18,978	25
2,079,541	42,215,704	47,438,055	5,734,677	3,228,929	4,673,224	9,033,480	204,795	26

TABLE 3. Supply and Disposal of Electric Energy 1964 — Continued

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities—Continued				
	Publicly-operated:				
	Supply of energy:				
1	Total energy generated (Table 2)	90,254,074	18,717	5,396	808,076
	Energy received from other provinces and imported:				
2	Received from other provinces .....	...	—	—	5,832
3	Imported from United States	3,102,587	—	—	—
4	Total received from other provinces and im- ported (2 + 3)	3,102,587	—	—	5,832
5	Energy received from privately-operated utilities....	1,958,469	8	9,564	101,574
6	Energy received from industrial establishments	4,434,724	—	—	149
7	Total supply of energy (1 + 4 + 5 + 6)	99,749,854	18,725	14,960	915,631
	Disposal of energy:				
	Energy delivered to other provinces and exported:				
8	Delivered to other provinces — Firm .....	...	—	—	6,636
9	Secondary .....	...	—	—	18,785
10	Exported to United States — Firm	255,173	—	—	—
11	Secondary	2,530,308	—	—	—
12	Total delivered to other provinces and exported (8 + 9 + 10 + 11)	2,785,481	—	—	25,421
13	Total made available in Canada (7 - 12)	96,964,373	18,725	14,960	890,210
14	Secondary used in Canada (17 + 22)	1,507,540	—	—	2,101
15	Firm energy made available in Canada (13 - 14)	95,456,833	18,725	14,960	888,109
	Energy used in own plant:				
16	Firm	653,146	18,451	—	14,225
17	Secondary	222,710	—	—	—
18	Total energy used in own plant (16 + 17)	875,856	18,451	—	14,225
19	Energy delivered to privately-operated utilities	1,217,785	—	—	85,771
20	Energy delivered to industrial establishments with generating facilities	11,614,027	—	—	248,977
	Sales to ultimate customers:				
21	Power—Firm	34,811,296	—	—	152,800
22	Secondary	1,284,830	—	—	2,101
23	General service (commercial)	11,147,019	—	7,136	93,496
24	Domestic and farm	25,303,466	254	6,499	206,022
25	Street lighting	874,897	—	577	7,008
26	Total sales to ultimate customers (21 + 22 + 23 + 24 + 25)	73,421,508	254	14,212	461,427
27	Losses and unaccounted for	9,866,997	20	748	79,810
28	Total disposal of energy (12+18+19+20+26+27)	99,781,654¹²	18,725	14,960	915,631

See footnotes at end of table.

TABLE 3. Supply and Disposal of Electric Energy 1964 -- Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
1,855,446	34,663,652	35,961,237	4,914,858	2,585,228	1,352,286	7,906,670	182,508	1
144,813	43,557	5,905,791	249,831	17,013	—	12	—	2
336	734	2,896,347	—	—	—	205,170 ⁶	—	3
145,149	44,291	8,802,138	249,831	17,013	—	205,182	—	4
5,459	293,528 ¹¹	277,423	—	349	1,053,529	217,035	—	5
20,864	3,985,764	244,097 ⁸	—	—	3,993	179,817 ⁹	40	6
2,026,918	38,987,235	45,284,895	5,164,689	2,602,590	2,409,808	8,508,704	182,548	7
20	3,355,073	26,194	54	860	—	817	—	8
42,859	2,570,182 ³	255,726	49,303	8,540	—	—	—	9
20,672	7,139	225,183	—	—	—	2,179	—	10
82,323	40,324	2,381,801	—	—	—	25,860 ⁵	—	11
145,874	5,972,718	2,888,904	49,357	9,400	—	28,856	—	12
1,881,044	33,014,517	42,395,991	5,115,332	2,593,190	2,409,808	8,479,848	182,548	13
—	1,107,917	193,462	135,658	—	13,650	—	54,752	14
1,881,044	31,906,600	42,202,529	4,979,674	2,593,190	2,396,158	8,479,848	127,796	15
5,562	404,356	50,488	2,794	14,251	48,142	91,895	2,982	16
—	157,507	—	64,701	—	—	—	502	17
5,562	561,863	50,488	67,495	14,251	48,142	91,895	3,484	18
72,149	283,489	600,668	—	—	153,916	238 ⁵	21,554	19
526,908	4,338,971	4,932,766 ¹⁰	274,737	505	12,639	1,273,951	4,573	20
452,722	13,400,375	15,500,780	1,694,529	702,594	742,494	2,102,141	62,861	21
—	950,410	193,462	70,957	—	13,650	—	54,250	22
220,800	2,472,674	4,954,176	674,769	518,918	542,085	1,648,672	14,293	23
425,291	7,293,640	11,535,810	1,753,311	938,729	658,191	2,478,315	7,404	24
18,086	239,874	360,390	59,493	27,649	72,024	89,688	108	25
1,116,899	24,356,973	32,544,618	4,253,059	2,187,890	2,028,444	6,318,816	138,916	26
159,526	3,473,221	4,267,451	520,041	390,544	166,667	794,948	14,021	27
2,026,918	38,987,235	45,284,895	5,164,689	2,602,590	2,409,808	8,508,704	182,548	28

TABLE 3. Supply and Disposal of Electric Energy, 1964 - Continued

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Electric utilities - Concluded				
	Privately-operated:				
	Supply of energy:				
1	Total energy generated (Table 2)	12, 635, 008	1, 942, 800	118, 586	1, 329, 509
	Energy received from other provinces and imported:				
2	Received from other provinces .....	...	—	—	37, 027
3	Imported from United States	17, 928	—	—	—
4	Total received from other provinces and im- ported (2 + 3)	17, 928	—	—	37, 027
5	Energy received from publicly-operated utilities	1, 217, 785	—	—	85, 771
6	Energy received from industrial establishments	315, 563	—	—	8, 355
7	Total supply of energy (1 + 4 + 5 + 6)	14, 186, 284	1, 942, 800	118, 586	1, 460, 662
	Disposal of energy:				
	Energy delivered to other provinces and exported:				
8	Delivered to other provinces - Firm .....	...	—	—	—
9	Secondary .....	...	—	—	94, 592
10	Exported to United States - Firm	454, 425	—	—	—
11	Secondary	758, 557	—	—	—
12	Total delivered to other provinces and exported (8 + 9 + 10 + 11)	1, 212, 982	—	—	94, 592
13	Total made available in Canada (7 - 12)	12, 973, 302	1, 942, 800	118, 586	1, 366, 070
14	Secondary used in Canada (17 + 22)	133, 969	9, 709	—	—
15	Firm energy made available in Canada (13 - 14)	12, 839, 333	1, 933, 091	118, 586	1, 366, 070
	Energy used in own plant:				
16	Firm	26, 003	—	139	5, 290
17	Secondary	—	—	—	—
18	Total energy, used in own plant (16 + 17)	26, 003	—	139	5, 290
19	Energy delivered to publicly-operated utilities	1, 958, 469	8	9, 564	101, 574
20	Energy delivered to industrial establishments with generating facilities	1, 708, 502	53, 308	—	41, 456
	Sales to ultimate customers:				
21	Power - Firm	5, 162, 457	1, 467, 521	16, 408	259, 773
22	Secondary	133, 969	9, 709	—	—
23	General service (commercial)	914, 300	81, 395	35, 485	360, 786
24	Domestic and farm	1, 906, 758	225, 722	40, 525	449, 172
25	Street lighting	64, 343	6, 975	1, 013	15, 710
26	Total sales to ultimate customers (21 + 22 + 23 + 24 + 25)	8, 181, 827	1, 791, 322	93, 431	1, 085, 441
27	Losses and unaccounted for	1, 066, 701	98, 162	15, 452	132, 309
28	Total disposal of energy (12 + 18 + 19 + 20 + 26 + 27)	14, 154, 484¹⁴	1, 942, 800	118, 586	1, 460, 662

See footnotes at end of table.

TABLE 3. Supply and Disposal of Electric Energy, 1964 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
52,084	3,489,179	1,288,474	—	616,608	3,293,183	484,619	19,966	1
—	—	1,120,610	569,988	6,349	22,145	—	—	2
5,998	—	10,545	—	657	728	—	—	3
5,998	—	1,131,155	569,988	7,006	22,873	—	—	4
72,149	283,489	600,668 ¹³	—	—	153,916	238 ⁵	21,554	5
—	32,818	10,954	—	3,074	889	257,192	2,281	6
130,231	3,805,486	3,031,251	569,988	626,688	3,470,861	742,049	43,801	7
—	995,856	2,048	4,565	569,988	12	—	—	8
—	97,746	—	1,784	—	—	21,328 ⁴	—	9
50,692	—	403,733	—	—	—	—	—	10
—	—	758,557	—	—	—	—	—	11
50,692	1,093,602	1,164,338	6,349	569,988	12	21,328	—	12
79,539	2,711,884	1,866,913	563,639	56,700	3,470,849	720,721	43,801	13
—	124,260	—	—	—	—	—	—	14
79,539	2,587,624	1,866,913	563,639	56,700	3,470,849	720,721	43,801	15
299	7,844	2,811	—	—	7,988	1,373	259	16
—	—	—	—	—	—	—	—	17
299	7,844	2,811	—	—	7,988	1,373	259	18
5,459	293,528	277,423	—	349	1,053,529	217,035	—	19
—	579,711	420,803	525,512	—	74,591	13,121	—	20
17,035	1,600,400	642,897	—	160	1,034,992	118,782	4,489	21
—	124,260	—	—	—	—	—	—	22
22,321	11,900	94,022	7,789	2,148	227,412	54,357	16,685	23
26,481	38,596	219,127	27,244	6,816	636,440	219,746	16,889	24
1,603	2,404	7,519	3,094	503	21,455	3,545	522	25
67,440	1,777,560	963,565	38,127	9,627	1,920,299	396,430	38,585	26
6,341	53,241	202,311	—	46,724	414,442	92,762	4,957	27
130,231	3,805,486	3,031,251	569,988	626,688	3,470,861	742,049	43,801	28

TABLE 3. Supply and Disposal of Electric Energy, 1964 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of kilowatt-hours			
	Industrial establishments				
	Supply of energy:				
1	Total energy generated (Table 2)	32,097,665	462,569	—	265,040
	Energy received from other provinces and imported:				
2	Received from other provinces .....	...	—	—	—
3	Imported from United States	714	—	—	—
4	Total received from other provinces and imported (2+3)	714	—	—	—
5	Energy received from publicly-operated utilities	11,614,027	—	—	248,977
6	Energy received from privately-operated utilities	1,708,502	53,308	—	41,456
7	Total supply of energy (1+4+5+6)	45,420,908	515,877	—	555,473
	Disposal of energy:				
	Energy delivered to other provinces and exported:				
8	Delivered to other provinces — Firm .....	...	54,754	—	—
9	Secondary .....	...	30,306	—	—
10	Exported to United States — Firm	161,012	—	—	—
11	Secondary	—	—	—	—
12	Total delivered to other provinces and exported (8+9+10+11)	161,012	85,060	—	—
13	Total made available in Canada (7-12)	45,259,896	430,817	—	555,473
14	Secondary used in Canada (17+22)	3,045,544	4,196	—	—
15	Firm energy made available in Canada (13-14)	42,214,352	426,621	—	555,473
	Energy used in own plant:				
16	Firm	35,974,475	420,301	—	546,650
17	Secondary	2,698,427	4,196	—	—
18	Total energy used in own plant (16+17)	38,672,902	424,497	—	546,650
19	Energy delivered to publicly-operated utilities	4,434,724	—	—	149 ⁵
20	Energy delivered to privately-operated utilities	315,563	—	—	8,355
	Sales to ultimate customers:				
21	Power — Firm	190,898	213	—	66
22	Secondary	347,117	—	—	—
23	General service (commercial)	133,192	331	—	—
24	Domestic and farm	67,350	685	—	—
25	Street lighting	2,265	—	—	—
26	Total sales to ultimate customers (21+22+23+24+25)	740,822	1,229	—	66
27	Losses and unaccounted for	1,095,885	5,091	—	253
28	Total disposal of energy (12+18+19+20+26+27)	45,420,908	515,877	—	555,473
29	Inter-industrial establishment sales	1,343,774	—	—	—

¹ Includes 33,028,000 kwh. no value energy.

² " 29,985,000 " " " " " "

³ " 3,647,000 " " " " " "

⁴ " 2,706,000 " " " " " "

⁵ No value energy.

⁶ Includes 27,271,000 kwh. no value energy.

⁷ " 149,000 " " " " " "

⁸ " 613,000 " " " " " "

⁹ " 6,000 " " " " " "

TABLE 3. Supply and Disposal of Electric Energy 1964 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of kilowatt-hours								
648,261	18,679,270	2,475,524	76,305	137,343	381,378	8,921,382	50,593	1
—	85,060	—	33,028 ⁵	—	—	—	—	2
—	—	—	—	—	—	714 ⁵	—	3
—	85,060	—	33,028	—	—	714	—	4
526,908	4,338,971	4,932,766 ¹⁵	274,737	505	12,639	1,273,951	4,573	5
—	579,711	420,803	525,512	—	74,591	13,121	—	6
1,175,169	23,683,012	7,829,093	909,582	137,848	468,608	10,209,168	55,166	7
—	—	—	—	33,028 ⁵	—	—	—	8
—	—	—	—	—	—	—	—	9
91,530	—	69,482	—	—	—	—	—	10
—	—	—	—	—	—	—	—	11
91,530	—	69,482	—	33,028	—	—	—	12
1,083,639	23,683,012	7,759,611	909,582	104,820	468,608	10,209,168	55,166	13
195	2,309,880	496,012	23,323	19,568	—	185,543	6,827	14
1,083,444	21,373,132	7,263,599	886,259	85,252	468,608	10,023,625	48,339	15
1,041,038	16,445,504	6,898,370	874,193	82,080	464,084	9,162,864	39,391	16
195	1,962,763	496,012	23,323	19,568	—	185,543	6,827	17
1,041,233	18,408,267	7,394,382	897,516	101,648	464,084	9,348,407	46,218	18
20,864	3,985,764	244,097 ¹⁶	—	—	3,993	179,817	40	19
—	32,818	10,954	—	3,074	889	257,192	2,281	20
11,632	137,765	34,646	64	—	2,212	4,300	—	21
—	347,117	—	—	—	—	—	—	22
—	3,869	1,760	2,853	—	106	123,522	751	23
—	11,015	18,329	6,376	—	695	29,898	352	24
—	235	161	398	—	15	1,456	—	25
11,632	500,001	54,896	9,691	—	3,028	159,176	1,103	26
9,910	756,162	55,282	2,375	98	— 3,386	264,576	5,524	27
1,175,169	23,683,012	7,829,093	909,582	137,848	468,608	10,209,168	55,166	28
—	1,338,354	5,169	—	—	—	251	—	29

¹⁰ Includes 2,995,000 kwh. no value energy.¹¹ " 3,554,000 " " " " " "¹² Total disposal is 31,800,000 kwh. more than total supply because publicly-operated utilities received 31,800,000 kwh. more energy from private utilities in other provinces than they delivered.¹³ Includes 9,051,000 kwh. no value energy.¹⁴ Total disposal is 31,800,000 kwh. less than total supply because privately-operated utilities received 31,800,000 kwh. less energy from public utilities in other provinces than they delivered.¹⁵ Includes 5,708,000 kwh. no value energy.¹⁶ " 724,000 " " " " " "

TABLE 4. Customers at End of Year, 1964

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
Electric utilities and industrial establishments:					
Ultimate customers in Canada:					
1	Power	85,437	771	6	1,938
2	General service (commercial)	609,688	7,367	3,685	30,781
3	Domestic and farm ¹	5,150,890	71,932	21,448	183,153
4	Street lighting	6,768	36	25	167
5	Total ultimate customers	5,852,783	80,106	25,164	216,039
6	Per cent of total for Canada	100.00	1.37	0.43	3.69
Electric utilities:					
Publicly and privately-operated:					
Ultimate customers in Canada:					
7	Power	85,402	769	6	1,937
8	General Service (commercial)	608,997	7,342	3,685	30,781
9	Domestic and farm ¹	5,142,589	71,605	21,448	183,153
10	Street lighting	6,754	36	25	167
11	Total ultimate customers	5,843,742	79,752	25,164	216,038
12	Per cent of total for Canada	100.00	1.36	0.43	3.70
Publicly-operated:					
Ultimate customers in Canada:					
13	Power	69,774	—	—	1,126
14	General service (commercial)	543,724	—	536	11,138
15	Domestic and farm ¹	4,702,941	370	2,784	75,520
16	Street lighting	5,891	—	3	86
17	Total ultimate customers	5,322,330	370	3,323	87,870
18	Per cent of total for Canada	100.00	0.01	0.06	1.65
Privately-operated:					
Ultimate customers in Canada:					
19	Power	15,628	769	6	811
20	General service (commercial)	65,273	7,342	3,149	19,643
21	Domestic and farm ¹	439,648	71,235	18,664	107,633
22	Street lighting	863	36	22	81
23	Total ultimate customers	521,412	79,382	21,841	128,168
24	Per cent of total for Canada	100.00	15.22	4.19	24.58
Industrial establishments:					
Ultimate customers in Canada:					
25	Power	35	2	—	1
26	General service (commercial)	691	25	—	—
27	Domestic and farm ¹	8,301	327	—	—
28	Street lighting	14	—	—	—
29	Total ultimate customers	9,041	354	—	1
30	Per cent of total for Canada	100.00	3.92	—	0.01

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 4. Customers at End of Year, 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
2,341	19,905	27,739	12,825	840	16,689	2,254	129	1
15,411	160,454	172,959	41,751	43,268	51,332	81,301	1,379	2
147,238	1,414,245	1,970,693	258,278	241,303	339,717	498,098	4,785	3
1,303	1,961	778	629	891	637	315	26	4
166,293	1,596,565	2,172,169	313,483	286,302	408,375	581,968	6,319	5
2.84	27.28	37.11	5.36	4.89	6.98	9.94	0.11	6
2,341	19,899	27,730	12,824	840	16,688	2,239	129	7
15,410	160,342	172,868	41,617	43,268	51,320	80,990	1,374	8
147,238	1,412,942	1,968,765	257,388	241,303	339,470	494,557	4,720	9
1,303	1,957	775	627	891	636	311	26	10
166,292	1,595,140	2,170,138	312,456	286,302	408,114	578,097	6,249	11
2.84	27.30	37.14	5.35	4.90	6.98	9.89	0.11	12
2,073	19,814	27,406	12,824	838	4,408	1,263	22	13
14,405	159,645	168,938	41,261	43,143	27,173	76,997	488	14
140,595	1,406,657	1,930,518	254,418	240,212	186,036	464,673	1,158	15
1,301	1,945	750	624	886	11	276	9	16
158,374	1,588,061	2,127,612	309,127	285,079	217,628	543,209	1,677	17
2.97	29.84	39.97	5.81	5.36	4.09	10.21	0.03	18
268	85	324	—	2	12,280	976	107	19
1,005	697	3,930	356	125	24,147	3,993	886	20
6,643	6,285	38,247	2,970	1,091	153,434	29,884	3,562	21
2	12	25	3	5	625	35	17	22
7,918	7,079	42,526	3,329	1,223	190,486	34,888	4,572	23
1.52	1.36	8.16	0.64	0.23	36.53	6.69	0.88	24
—	6	9	1	—	1	15	—	25
1	112	91	134	—	12	311	5	26
—	1,303	1,928	890	—	247	3,541	65	27
—	4	3	2	—	1	4	—	28
1	1,425	2,031	1,027	—	261	3,871	70	29
0.01	15.76	22.46	11.36	—	2.89	42.82	0.77	30

TABLE 5. Revenue from Sale of Electricity and Value of Electricity Purchased,¹ 1964

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities and industrial establishments				
	Revenue from sale of electricity:				
	To ultimate customers in Canada:				
1	Power ² —Firm	311,465	10,150	324	6,091
2	Secondary	3,989	13	—	22
3	General service (commercial)	222,969	2,652	1,427	12,301
4	Domestic and farm	401,194	5,493	1,879	15,327
5	Street lighting	23,723	273	95	1,011
6	Total revenue from ultimate customers (1+2+3+4+5)	963,340	18,581	3,725	34,752
	Energy delivered to other provinces and exported:				
7	Delivered to other provinces—Firm .....	...	238	—	94
8	Secondary .....	...	—	—	730
9	Exported to United States—Firm	5,561	—	—	—
10	Secondary	4,359	—	—	—
11	Total revenue from other provinces and exports (7+8+9+10)	9,920	238	—	824
12	Total revenue from sale of electricity (6+11)	973,260	18,819	3,725	35,576
	Value of electricity purchased:				
	Energy received from other provinces and imported:				
13	Received from other provinces .....	...	—	—	142
14	Imported from United States	2,964	—	—	—
15	Total value of electricity purchased (13+14)	2,964	—	—	142
	Electric utilities				
	Publicly and privately-operated:				
	Revenue from sale of electricity:				
16	To industrial establishments with generating facilities	63,263	426	—	1,329
	To ultimate customers in Canada:				
17	Power—Firm	309,558	10,144	324	6,090
18	Secondary	3,462	13	—	22
19	General service (commercial)	221,909	2,644	1,427	12,301
20	Domestic and farm	400,329	5,472	1,879	15,327
21	Street lighting	23,670	273	95	1,011
22	Total revenue from ultimate customers (17+18+19+20+21)	958,928	18,546	3,725	34,751
	Energy delivered to other provinces and exported:				
23	Delivered to other provinces—Firm .....	...	—	—	94
24	Secondary .....	...	—	—	730
25	Exported to United States—Firm	4,261	—	—	—
26	Secondary	4,359	—	—	—
27	Total revenue from other provinces and exports (23+24+25+26)	8,620	—	—	824
28	Total revenue from sale of electricity (16+22+27)	1,030,811	18,972	3,725	36,904

See footnotes at end of table.

TABLE 5. Revenue from Sale of Electricity and Value of Electricity Purchased,¹ 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
7,106	97,601	123,035	14,591	9,823	21,647	19,447	1,650	1
—	3,299	328	88	—	12	—	227	2
6,178	46,735	69,211	10,642	14,208	20,076	38,127	1,412	3
13,070	92,578	153,896	20,830	24,490	25,732	46,926	973	4
852	5,354	9,177	1,382	1,157	2,465	1,917	40	5
27,206	245,567	355,647	47,533	49,678	69,932	106,417	4,302	6
1	11,520	276	59	1,376	—	15	—	7
142	7,464	359	46	4	—	158	—	8
1,424	93	4,012	—	—	—	32	—	9
646	223	3,490	—	—	—	—	—	10
2,213	19,300	8,137	105	1,380	—	205	—	11
29,419	264,867	363,784	47,638	51,058	69,932	106,622	4,302	12
1,111	526	18,724	1,727	79	173	—	—	13
66	16	2,397	—	26	8	451	—	14
1,177	542	21,121	1,727	105	181	451	—	15
2,964	20,757	28,656	2,184	25	662	6,235	25	16
7,010	96,133	122,812	14,591	9,823	21,598	19,383	1,650	17
—	2,772	328	88	—	12	—	227	18
6,178	46,672	69,150	10,583	14,208	20,072	37,312	1,362	19
13,070	92,443	153,708	20,726	24,490	25,711	46,536	967	20
852	5,350	9,175	1,371	1,157	2,464	1,882	40	21
27,110	243,370	355,173	47,359	49,678	69,857	105,113	4,246	22
1	11,520	276	59	1,376	—	15	—	23
142	7,464	359	46	4	—	158	—	24
555	93	3,581	—	—	—	32	—	25
646	223	3,490	—	—	—	—	—	26
1,344	19,300	7,706	105	1,380	—	205	—	27
31,418	283,427	391,535	49,648	51,083	70,519	111,553	4,271	28

TABLE 5. Revenue from Sale of Electricity and Value of Electricity Purchased,¹ 1964 — Continued

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Continued				
	Publicly and privately-operated — Concluded:				
	Value of electricity purchased:				
1	From industrial establishments with generating facilities.....	20,115	—	—	49
	Energy received from other provinces and imported:				
2	Received from other provinces.....	...	—	—	142
3	Imported from United States.....	2,964	—	—	—
4	Total value of receipts from other provinces and imports (2 + 3).....	2,964	—	—	142
5	Total value of electricity purchased (1 + 4).....	23,079	—	—	191
	Publicly-operated:				
	Revenue from sale of electricity:				
6	To privately-operated utilities.....	3,954	—	—	1,004
7	To industrial establishments with generating facilities.....	56,599	—	—	1,198
	To ultimate customers in Canada:				
8	Power — Firm.....	268,782	—	—	2,201
9	Secondary.....	3,180	—	—	22
10	General service (commercial).....	195,455	—	248	2,756
11	Domestic and farm.....	361,290	20	243	5,230
12	Street lighting.....	21,108	—	29	266
13	Total revenue from ultimate customers (8 + 9 + 10 + 11 + 12).....	849,815	20	520	10,475
	Energy delivered to other provinces and exported:				
14	Delivered to other provinces — Firm.....	...	—	—	94
15	Secondary.....	...	—	—	131
16	Exported to United States — Firm.....	1,962	—	—	—
17	Secondary.....	2,015	—	—	—
18	Total revenue from other provinces and exports (14 + 15 + 16 + 17).....	3,977	—	—	225
19	Total revenue from sale of electricity (6 + 7 + 13 + 18).....	914,345	20	520	12,902
	Value of electricity purchased:				
20	From privately-operated utilities.....	15,080	—	83	1,051
21	From industrial establishments with generating facilities.....	18,113	—	—	—
	Energy received from other provinces and imported:				
22	Received from other provinces.....	...	—	—	17
23	Imported from United States.....	2,823	—	—	—
24	Total value of receipts from other provinces and imports (22 + 23).....	2,823	—	—	17
25	Total value of electricity purchased (20 + 21 + 24).....	36,016	—	83	1,068

See footnote at end of table.

TABLE 5. Revenue from Sale of Electricity and Value of Electricity Purchased,¹ 1964 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
114	16,208	1,057	—	46	63	2,530	48	1
1,111	288	18,724	1,727	79	173	—	—	2
66	16	2,397	—	26	8	451	—	3
1,177	304	21,121	1,727	105	181	451	—	4
1,291	16,512	22,178	1,727	151	244	2,981	48	5
1,229	315	558	—	—	480	—	368	6
2,964	19,066	25,949	1,154	25	138	6,080	25	7
6,619	89,705	118,675	14,591	9,819	7,990	17,804	1,378	8
—	2,503	328	88	—	12	—	227	9
5,551	46,421	67,592	10,458	14,128	11,859	35,959	483	10
12,400	91,838	150,685	20,473	24,372	11,896	43,727	406	11
796	5,321	8,993	1,352	1,149	1,392	1,802	8	12
25,366	235,788	346,273	46,962	49,468	33,149	99,292	2,502	13
1	8,703	255	1	1	—	15	—	14
142	7,220	359	40	4	—	—	—	15
151	93	1,686	—	—	—	32	—	16
646	223	1,146	—	—	—	—	—	17
940	16,239	3,446	41	5	—	47	—	18
30,499	271,408	376,226	48,157	49,498	33,767	105,419	2,895	19
62	1,439	2,420	—	5	8,239	1,781	—	20
114	15,930	1,016	—	—	50	1,003	—	21
1,111	288	15,922	352	15	—	—	—	22
1	16	2,355	—	—	—	451	—	23
1,112	304	18,277	352	15	—	451	—	24
1,288	17,673	21,713	352	20	8,289	3,235	—	25

TABLE 5. Revenue from Sale of Electricity and Value of Electricity Purchased,¹ 1964 — Continued

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Concluded				
	Privately-operated:				
	Revenue from sale of electricity:				
1	To publicly-operated utilities	15,080	—	83	1,051
2	To industrial establishments with generating facilities	6,664	426	—	131
	To ultimate customers in Canada:				
3	Power-Firm	40,776	10,144	324	3,889
4	Secondary	282	13	—	—
5	General service (commercial)	26,454	2,644	1,179	9,545
6	Domestic and farm	39,039	5,452	1,636	10,097
7	Street lighting	2,562	273	66	745
8	Total revenue from ultimate customers (3+4+5+6+7)	109,113	18,526	3,205	24,276
	Energy delivered to other provinces and exported:				
9	Delivered to other provinces — Firm .....	...	—	—	—
10	Secondary .....	...	—	—	599
11	Exported to United States — Firm	2,299	—	—	—
12	Secondary	2,344	—	—	—
13	Total revenue from other provinces and exports (9+10+11+12)	4,643	—	—	599
14	Total revenue from sale of electricity (1+2+8+13)	135,500	18,952	3,288	26,057
	Value of electricity purchased:				
15	From publicly-operated utilities	3,954	—	—	1,004
16	From industrial establishments with generating facilities	2,002	—	—	49
	Energy received from other provinces and imported:				
17	Received from other provinces .....	...	—	—	125
18	Imported from United States	141	—	—	—
19	Total value of receipts from other provinces and imports (17+18)	141	—	—	125
20	Total value of electricity purchased (15+16+19)	6,097	—	—	1,178
	Industrial establishments				
	Revenue from sale of electricity:				
21	To publicly-operated utilities	18,113	—	—	—
22	To privately-operated utilities	2,002	—	—	49
	To ultimate customers in Canada:				
23	Power — Firm	1,907	6	—	1
24	Secondary	527	—	—	—
25	General service (commercial)	1,060	8	—	—
26	Domestic and farm	865	21	—	—
27	Street lighting	53	—	—	—
28	Total revenue from ultimate customers (23+24+25+26+27)	4,412	35	—	1

See footnote at end of table.

TABLE 5. Revenue from Sale of Electricity and Value of Electricity Purchased,¹ 1964 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
62	1,439	2,420	—	5	8,239	1,781	—	1
—	1,691	2,707	1,030	—	524	155	—	2
391	6,428	4,137	—	4	13,608	1,579	272	3
—	269	—	—	—	—	—	—	4
627	251	1,558	125	80	8,213	1,353	879	5
670	605	3,023	253	118	13,815	2,809	561	6
56	29	182	19	8	1,072	80	32	7
1,744	7,582	8,900	397	210	36,708	5,821	1,744	8
—	2,817	21	58	1,375	—	—	—	9
—	244	—	6	—	—	158	—	10
404	—	1,895	—	—	—	—	—	11
—	—	2,344	—	—	—	—	—	12
404	3,061	4,260	64	1,375	—	158	—	13
2,210	13,773	18,287	1,491	1,590	45,471	7,915	1,744	14
1,229	315	558	—	—	480	—	368	15
—	278	41	—	46	13	1,527	48	16
—	—	2,802	1,375	64	173	—	—	17
65	—	42	—	26	8	—	—	18
65	—	2,844	1,375	90	181	—	—	19
1,294	593	3,443	1,375	136	674	1,527	416	20
114	15,930	1,016	—	—	50	1,003	—	21
—	278	41	—	46	13	1,527	48	22
96	1,468	223	—	—	49	64	—	23
—	527	—	—	—	—	—	—	24
—	63	61	59	—	4	815	50	25
—	135	188	104	—	21	390	6	26
—	4	2	11	—	1	35	—	27
96	2,197	474	174	—	75	1,304	56	28

TABLE 5. Revenue from Sale of Electricity and Value of Electricity Purchased,¹ 1964 — Concluded

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Industrial establishments — Concluded				
	Revenue from sale of electricity — Concluded:				
	Energy delivered to other provinces and exported:				
1	Delivered to other provinces — Firm .....	...	238	—	—
2	Secondary .....	...	—	—	—
3	Exported to United States — Firm	1,300	—	—	—
4	— Secondary	—	—	—	—
5	Total revenue from other provinces and exports (1 + 2 + 3 + 4)	1,300	238	—	—
6	Total revenue from sale of electricity (21 + 22 + 28 + 5)	25,827	273	—	50
	Value of electricity purchased:				
7	From publicly-operated utilities	56,599	—	—	1,198
8	From privately-operated utilities	6,664	426	—	131
	Energy received from other provinces and imported:				
9	Received from other provinces .....	...	—	—	—
10	Imported from United States	—	—	—	—
11	Total value of receipts from other provinces and imports (9 + 10)	—	—	—	—
12	Total value of electricity purchased (7 + 8 + 11)	63,263	426	—	1,329
13	Inter-industrial establishment sales	3,212	—	—	—

¹ Does not include inter-utility transactions.**TABLE 6. Energy Sales by Category of Service, 1964**

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:				
	Power: ¹				
1	Number of customers	85,559	773	6	1,943
2	Energy sales	'000 kwh. 56,596,870	1,530,751	16,408	705,173
3	Revenue	\$'000 381,929	10,589	324	7,442
	General service (commercial):				
4	Number of customers	609,688	7,367	3,685	30,781
5	Energy sales	'000 kwh. 12,194,511	81,726	42,621	454,282
6	Revenue	\$'000 222,969	2,652	1,427	12,301
	Domestic and farm:				
7	Number of customers	5,150,890	71,932	21,448	183,153
8	Energy sales	'000 kwh. 27,277,574	226,661	47,024	655,194
9	Revenue	\$'000 401,194	5,493	1,879	15,327
	Street lighting:				
10	Number of customers	6,768	36	25	167
11	Energy sales	'000 kwh. 941,505	6,975	1,590	22,718
12	Revenue	\$'000 23,723	273	95	1,011
	Total:				
13	Number of customers (1 + 4 + 7 + 10)	5,852,905	80,108	25,164	216,044
14	Energy sales (2 + 5 + 8 + 11)	'000 kwh. 97,010,460	1,846,113	107,643	1,837,367
15	Revenue (3 + 6 + 9 + 12)	\$'000 1,029,815	19,007	3,725	36,081

¹ Includes sales to industrial establishments with generating facilities.

TABLE 5. Revenue from Sale of Electricity and Value of Electricity Purchased,¹ 1964 – Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
—	—	—	—	—	—	—	—	1
—	—	—	—	—	—	—	—	2
869	—	431	—	—	—	—	—	3
—	—	—	—	—	—	—	—	4
869	—	431	—	—	—	—	—	5
1,079	18,405	1,962	174	46	138	3,834	104	6
2,964	19,066	25,949	1,154	25	138	6,080	25	7
—	1,691	2,707	1,030	—	524	155	—	8
—	238	—	—	—	—	—	—	9
—	—	—	—	—	—	—	—	10
—	238	—	—	—	—	—	—	11
2,964	20,995	28,656	2,184	25	662	6,235	25	12
—	3,180	25	—	—	—	7	—	13

² Does not include deliveries to industrial establishments with generating facilities.**TABLE 6. Energy Sales by Category of Service, 1964**

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
2,349	19,935	27,788	12,830	841	16,697	2,266	131	1
1,008,297	22,817,363	21,730,523	2,565,799	703,259	1,880,578	3,512,546	126,173	2
10,070	124,837	152,044	16,863	9,848	22,321	25,689	1,902	3
15,411	160,454	172,959	41,751	43,268	51,332	81,301	1,379	4
243,121	2,488,443	5,049,958	685,411	521,066	769,603	1,826,551	31,729	5
6,178	46,735	69,211	10,642	14,208	20,076	38,127	1,412	6
147,238	1,414,245	1,970,693	258,278	241,303	339,717	498,098	4,785	7
451,772	7,343,251	11,773,266	1,786,931	945,545	1,295,326	2,727,959	24,645	8
13,070	92,578	153,896	20,830	24,490	25,732	46,926	973	9
1,303	1,961	778	629	891	637	315	26	10
19,689	242,513	368,070	62,985	28,152	93,494	94,689	630	11
852	5,354	9,177	1,382	1,157	2,465	1,917	40	12
166,301	1,596,595	2,172,218	313,488	286,303	408,383	581,980	6,321	13
1,722,879	32,891,570	38,921,817	5,101,126	2,198,022	4,039,001	8,161,745	183,177	14
30,170	269,504	384,328	49,717	49,703	70,594	112,659	4,327	15

TABLE 7. Exports, Imports and Transfers Between Provinces, 1964

No.			Canada	New- foundland	Prince Edward Island	Nova Scotia
	Exports and deliveries to other provinces:					
1	Delivered to other provinces	'000 kwh.	...	85,060	—	120,013
2	Revenue	\$'000	...	238	—	824
3	Exported to United States	'000 kwh.	4,159,475	—	—	—
4	Revenue	\$'000	9,920	—	—	—
	Imports and receipts from other provinces:					
5	Received from other provinces	'000 kwh.	...	—	—	42,859
6	Cost	\$'000	...	—	—	142
7	Imported from United States	'000 kwh.	3,121,229	—	—	—
8	Cost	\$'000	2,964	—	—	—
	Net transfers between provinces and exports (imports):					
9	To (from) other provinces (1-5)	'000 kwh.	—	85,060	—	77,154
10	Revenue (cost) (2-6)	\$'000	—	238	—	682
11	To (from) United States (3-7)	'000 kwh.	1,038,246	—	—	—
12	Revenue (cost) (4-8)	\$'000	6,956	—	—	—

TABLE 8. Domestic and Farm Service, 1939 - 64

No.			Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments:					
	Customers:					
1	1939	No.	1,623,672	..	5,067	62,034
2	1945	"	1,987,360	..	6,387	84,011
3	1950	"	2,797,378	30,311	10,298	124,860
4	1960	"	4,542,780	59,929	18,542	168,625
5	1963	"	4,980,351	69,521	20,873	181,243
6	1964	"	5,150,890	71,932	21,448	183,153
	Kilowatt-hours sold:					
7	1939	'000 kwh.	2,310,891	..	2,908	39,084
8	1945	"	3,365,497	..	5,217	70,099
9	1950	"	6,750,303	40,051	10,526	147,522
10	1960	"	20,391,857	169,481	30,130	461,926
11	1963	"	25,321,606	207,773	42,234	602,955
12	1964	"	27,277,574	226,661	47,024	655,194
	Revenue received:					
13	1939	\$'000	43,793	..	163	1,709
14	1945	"	55,736	..	239	2,286
15	1950	"	109,015	835	584	4,421
16	1960	"	325,946	3,901	1,352	12,727
17	1963	"	383,983	5,004	1,704	14,693
18	1964	"	401,194	5,493	1,879	15,327
	Kilowatt-hours per customer:					
19	1939	kwh.	1,423	..	574	630
20	1945	"	1,693	..	817	834
21	1950	"	2,413	1,321	1,022	1,181
22	1960	"	4,489	2,828	1,625	2,739
23	1963	"	5,084	2,989	2,023	3,327
24	1964	"	5,296	3,151	2,192	3,577
	Average annual bill:					
25	1939	\$	26.97	..	32.21	27.56
26	1945	"	28.05	..	37.35	27.21
27	1950	"	38.97	27.57	56.69	35.41
28	1960	"	71.75	65.09	72.38	75.48
29	1963	"	77.10	71.98	81.64	81.07
30	1964	"	77.89	76.36	87.61	83.68

TABLE 7. Exports, Imports and Transfers Between Provinces, 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
42,879	7,018,857	283,968	55,706	612,416	12	22,145	—	1
143	18,984	635	105	1,380	—	173	—	2
245,217	47,463	3,838,756	—	—	—	28,039	—	3
2,070	316	7,502	—	—	—	32	—	4
144,813	128,617	7,026,401	852,847	23,362	22,145	12	—	5
1,111	526	18,724	1,727	79	173	—	—	6
6,334	734	2,906,892	—	657	728	205,884	—	7
66	16	2,397	—	26	8	451	—	8
(101,934)	6,890,240	(6,742,433)	(797,141)	589,054	(22,133)	22,133	—	9
(968)	18,458	(18,089)	(1,622)	1,301	(173)	173	—	10
238,883	46,729	931,864	—	(657)	(728)	(177,845)	—	11
2,004	300	5,105	—	(26)	(8)	(419)	—	12

TABLE 8. Domestic and Farm Service, 1939-64

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
46,485	434,825	719,871	81,091	49,980	68,267	156,052	..	1
62,175	558,865	839,968	94,673	61,285	87,005	192,991	..	2
95,540	778,878	1,104,317	144,122	94,734	134,132	278,417	1,769	3
141,283	1,225,796	1,755,369	235,239	215,732	290,140	428,418	3,707	4
146,426	1,351,058	1,918,262	254,362	231,996	327,958	474,199	4,453	5
147,238	1,414,245	1,970,693	258,278	241,303	339,717	498,098	4,785	6
26,989	311,420	1,374,325	320,827	41,198	42,210	151,930	..	7
45,958	507,274	1,963,043	416,499	58,402	63,962	235,043	..	8
97,752	1,199,887	3,662,862	689,335	128,221	164,205	607,427	2,515	9
328,107	5,000,588	9,318,141	1,454,613	646,234	867,319	2,102,048	13,270	10
424,362	6,677,334	11,156,251	1,686,436	855,581	1,178,895	2,468,518	21,267	11
451,772	7,343,251	11,773,266	1,786,931	945,545	1,295,326	2,727,959	24,645	12
1,308	9,167	19,658	3,312	2,004	2,145	4,327	..	13
1,883	11,926	23,699	4,238	2,566	2,932	5,967	..	14
3,747	23,821	44,724	7,939	4,871	5,385	12,525	163	15
10,601	72,571	124,933	16,722	18,803	19,280	44,365	691	16
12,671	89,906	147,260	19,621	23,652	24,184	44,422	866	17
13,070	92,578	153,896	20,830	24,490	25,732	46,926	973	18
581	716	1,909	3,956	824	618	974	..	19
739	908	2,337	4,399	953	735	1,218	..	20
1,023	1,541	3,317	4,783	1,353	1,224	2,182	1,422	21
2,322	4,079	5,308	6,184	2,996	2,989	4,907	3,580	22
2,898	4,942	5,816	6,630	3,688	3,595	5,206	4,776	23
3,068	5,192	5,974	6,919	3,918	3,813	5,477	5,150	24
28.13	21.08	27.31	40.84	40.10	31.42	27.73	..	25
30.29	21.34	28.21	44.76	41.87	33.70	30.92	..	26
39.22	30.58	40.50	55.08	51.42	40.15	44.99	92.23	27
75.03	59.20	71.17	71.09	87.16	66.45	103.56	186.40	28
86.54	66.54	76.77	77.14	101.95	73.74	93.68	194.48	29
88.77	65.46	78.09	80.65	101.49	75.75	94.21	203.34	30

TABLE 8. Domestic and Farm Service, 1939-64 — Concluded

No.			Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities and industrial establishments — Concluded:					
	Revenue per kilowatt-hour:					
1	1939	cents	1.90	..	5.61	4.37
2	1945	"	1.66	..	4.57	3.26
3	1950	"	1.61	2.09	5.55	3.00
4	1960	"	1.60	2.30	4.49	2.76
5	1963	"	1.52	2.41	4.03	2.44
6	1964	"	1.47	2.42	4.00	2.34
	Farm service, 1964: ¹					
7	Customers	No.	395,304	6,660	—	—
8	Kilowatt-hours sold	'000 kwh.	2,514,360	12,489	—	—
9	Revenue received	\$'000	46,858	512	—	—
10	Kilowatt-hours per customer	No.	6,361	1,875	—	—
11	Average annual bill	\$	118.54	76.88	—	—
12	Revenue per kilowatt-hour	cents	1.86	4.10	—	—

¹ Many utilities cannot distinguish between domestic and farm, as they do not keep separate records. However, farm figures are tabulated as reported.

TABLE 9. Transmission Pole Line Mileage at End of Year, 1964

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated				
1	Steel — Towers	14,627	288	—	119
2	Poles	88	44	—	—
3	Aluminum — Towers	64	—	—	—
4	Poles	—	—	—	—
5	Wood pole	51,295	903	150	2,173
6	Concrete pole	13	—	—	—
7	Underground cable	155	—	—	3
8	Marine cable	59	3	—	8
9	Other	—	—	—	—
10	Total transmission pole line mileage	66,301	1,238	150	2,303
11	Per cent of total for Canada	100.00	1.87	0.23	3.47

¹ Includes Aluminum Co. of Canada Ltd.

TABLE 10. Transmission Circuit Mileage of Electric Line at End of Year, 1964

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
1	20,000 - 49,999 volts	29,264	674	70	1,216
2	50,000 - 99,999 "	15,225	330	80	984
3	100,000 - 149,999 "	16,961	78	—	154
4	150,000 - 199,999 "	1,112	—	—	—
5	200,000 - 249,999 "	8,244	220	—	—
6	250,000 - 299,999 "	—	—	—	—
7	300,000 - 349,999 "	2,492	—	—	—
8	350,000 volts and over	433	—	—	—
9	Total transmission circuit mileage	73,731	1,302	150	2,354
10	Per cent of total for Canada	100.00	1.77	0.20	3.19

¹ Includes Aluminum Co. of Canada Ltd.

TABLE 8. Domestic and Farm Service, 1939-64 - Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
4.85	2.94	1.43	1.03	4.87	5.08	2.85	..	1
4.10	2.35	1.21	1.02	4.39	4.59	2.54	..	2
3.83	1.99	1.22	1.15	3.80	3.28	2.06	6.49	3
3.23	1.45	1.34	1.16	2.91	2.22	2.11	4.67	4
2.98	1.35	1.32	1.16	2.76	2.05	1.80	4.07	5
2.89	1.26	1.31	1.17	2.59	1.99	1.72	3.95	6
—	90,699	137,316	39,589	62,436	58,604	—	—	7
—	460,244	1,097,425	313,604	315,879	314,719	—	—	8
—	6,664	19,555	5,000	8,988	6,139	—	—	9
—	5,074	7,992	7,921	5,059	5,370	—	—	10
—	73.47	142.41	126.30	143.96	104.75	—	—	11
—	1.45	1.78	1.59	2.85	1.95	—	—	12

TABLE 9. Transmission Pole Line Mileage at End of Year, 1964

New Brunswick	Quebec ¹	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
737	4,760	6,039	1,249	484	219	732	—	1
—	39	5	—	—	—	—	—	2
—	4	27	—	—	33	—	—	3
—	—	—	—	—	—	—	—	4
1,262	5,482	10,434	4,624	11,097	10,822	4,176	172	5
—	10	3	—	—	—	—	—	6
—	44	43	—	4	13	48	—	7
—	11	2	—	—	—	35	—	8
—	—	—	—	—	—	—	—	9
1,999	10,350	16,553	5,873	11,585	11,087	4,991	172	10
3.01	15.61	24.97	8.86	17.47	16.72	7.53	0.26	11

TABLE 10. Transmission Circuit Mileage of Electric Line at End of Year, 1964

New Brunswick	Quebec ¹	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
18	2,471	7,838	1,878	7,792	7,209	56	42	1
1,322	2,385	220	2,051	2,133	2,446	3,242	32	2
659	2,674	6,890	2,238	1,304	1,772	1,094	98	3
—	1,065	47	—	—	—	—	—	4
—	1,298	4,549	727	582	249	619	—	5
—	—	—	—	—	—	—	—	6
—	2,492	—	—	—	—	—	—	7
—	—	228	—	—	—	205	—	8
1,999	12,385	19,772	6,894	11,811	11,676	5,216	172	9
2.71	16.80	26.82	9.35	16.02	15.84	7.07	0.23	10

TABLE 11. Fuel Used to Generate Electricity, 1964

No.		Canada	New-foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
	Quantity of fuel:				
	Coal:				
1	Bituminous — Canadian short ton	1, 205, 763	—	—	584, 141
2	Imported "	2, 710, 833	—	—	—
3	Sub-bituminous "	1, 228, 223	—	—	—
4	Saskatchewan lignite "	1, 119, 701	—	—	—
5	Other	—	—	—	—
6	Total coal short ton	6, 264, 520	—	—	584, 141¹
	Petroleum fuels:				
7	Furnace fuel oil — Light Imp. gallon	2, 630, 351	—	—	188, 575 ¹
8	Heavy "	107, 101, 085	5, 198, 525	10, 746, 008	25, 120, 400
9	Diesel fuel oil "	25, 839, 653	2, 233, 989	32, 386	913, 667
10	Other — Crude oil "	222, 005	—	—	—
11	Total petroleum fuels "	135, 793, 094	7, 432, 514	10, 778, 394	26, 222, 642
	Gas:				
12	Natural M. cu. ft.	44, 129, 114	—	—	—
13	Manufactured	—	—	—	—
14	Total gas M. cu. ft.	44, 129, 114	—	—	—
15	Other fuels — Propane "	5, 646	—	—	—
	Cost of fuel:				
	Coal:				
16	Bituminous — Canadian \$	11, 530, 073	—	—	5, 994, 515
17	Imported \$	24, 609, 308	—	—	—
18	Sub-bituminous \$	1, 996, 654	—	—	—
19	Saskatchewan lignite \$	2, 044, 916	—	—	—
20	Other	—	—	—	—
21	Total coal \$	40, 180, 951	—	—	5, 994, 515¹
	Petroleum fuels:				
22	Furnace fuel oil — Light \$	349, 960	—	—	25, 408 ¹
23	Heavy \$	6, 864, 708	362, 790	690, 878	1, 585, 097
24	Diesel fuel oil \$	5, 110, 069	301, 830	4, 615	157, 754
25	Other — Crude oil \$	20, 464	—	—	—
26	Total petroleum fuels \$	12, 345, 201	664, 620	695, 493	1, 768, 259
	Gas:				
27	Natural \$	7, 989, 336	—	—	—
28	Manufactured	—	—	—	—
29	Total gas \$	7, 989, 336	—	—	—
30	Other fuels — Propane \$	14, 593	—	—	—
31	Total all fuels \$	60, 530, 081	664, 620	695, 493	7, 762, 774
32	Per cent of total for Canada	100.00	1.10	1.15	12.82

¹ See footnote at end of table.

TABLE 11. Fuel Used to Generate Electricity, 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
245,282	—	369,866	410	—	6,064	—	—	1
—	—	2,710,833	—	—	—	—	—	2
—	—	—	—	133,844	1,094,379	—	—	3
—	—	—	144,790	974,911	—	—	—	4
—	—	—	—	—	—	—	—	5
245,282 ¹	—	3,080,699 ¹	145,200 ¹	1,108,755	1,100,443	—	—	6
555,886 ¹	105,000	1,329,009 ¹	273,247 ¹	148,967	29,667	—	—	7
32,672,363	4,901,680	121,166	—	19,343,546	4,972,468	3,327,642	697,287	8
532,201	2,756,583	4,102,806	3,538,045	263,006	1,225,799	8,049,975	2,191,196	9
—	—	—	—	—	—	222,005	—	10
33,760,450	7,763,263	5,552,981	3,811,292	19,755,519	6,227,934	11,599,622	2,888,483	11
—	—	186,799	280,258	9,522,089	28,088,982	6,050,986	—	12
—	—	—	—	—	—	—	—	13
—	—	186,799	280,258	9,522,089	28,088,982	6,050,986	—	14
—	—	—	—	—	—	5,646	—	15
2,125,655	—	3,376,767	4,850	—	28,286	—	—	16
—	—	24,609,308	—	—	—	—	—	17
—	—	—	—	532,028	1,464,626	—	—	18
—	—	—	571,610	1,473,306	—	—	—	19
—	—	—	—	—	—	—	—	20
2,125,655 ¹	—	27,986,075 ¹	576,460 ¹	2,005,334	1,492,912	—	—	21
88,720 ¹	14,070	160,764 ¹	36,676 ¹	19,255	5,067	—	—	22
2,037,102	482,000	22,928	—	1,137,839	185,409	274,661	86,004	23
109,549	519,687	735,986	610,401	44,790	248,889	1,547,789	828,779	24
—	—	—	—	—	—	20,464	—	25
2,235,371	1,015,757	919,678	647,077	1,201,884	439,365	1,842,914	914,783	26
—	—	73,242	41,810	1,541,455	4,458,421	1,874,408	—	27
—	—	—	—	—	—	—	—	28
—	—	73,242	41,810	1,541,455	4,458,421	1,874,408	—	29
—	—	—	—	—	—	14,593	—	30
4,361,026	1,015,757	28,978,995	1,265,347	4,748,673	6,390,698	3,731,915	914,783	31
7.20	1.68	47.88	2.09	7.84	10.56	6.17	1.51	32

TABLE 11. Fuel Used to Generate Electricity, 1964 - Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities - Publicly and privately-operated - Concluded:				
	Average B.t.u. content of fuel:				
	Coal:				
1	Bituminous - Canadian per pound	12,679	—	—	12,603
2	Imported "	13,297	—	—	—
3	Sub-bituminous "	8,069	—	—	—
4	Saskatchewan lignite "	6,623	—	—	—
5	Other "	—	—	—	—
	Petroleum fuels:				
6	Furnace fuel oil - Light per Imp. gal.	165,223	—	—	165,957
7	Heavy "	181,742	179,617	182,514	181,051
8	Diesel fuel oil "	164,692	165,395	172,200	163,894
9	Other - Crude oil "	166,000	—	—	—
	Gas:				
10	Natural per stand. cu. ft. ²	1,025	—	—	—
11	Manufactured "	—	—	—	—
12	Other fuels - Propane per stand. cu. ft. ²	2,500	—	—	—
	Energy generated: ³				
	By coal:				
13	Bituminous - Canadian '000 kwh.	2,638,061	—	—	1,087,471
14	Imported "	7,359,330	—	—	—
15	Sub-bituminous "	1,695,868	—	—	—
16	Saskatchewan lignite "	1,011,882	—	—	—
17	Other "	—	—	—	—
18	Total coal '000 kwh.	12,705,141	—	—	1,087,471¹
	By petroleum fuels:				
19	Furnace fuel oil - Light "	4,758	—	—	837 ¹
20	Heavy "	1,438,217	56,970	123,324	352,741
21	Diesel fuel oil "	337,513	31,263	658	12,414
22	Other - Crude oil "	1,013	—	—	—
23	Total petroleum fuels "	1,781,501	88,233	123,982	365,992
	By gas:				
24	Natural "	3,388,241	—	—	—
25	Manufactured "	—	—	—	—
26	Total gas "	3,388,241	—	—	—
27	By other fuels "	142,712	—	—	—
28	Total all fuels "	18,017,595	88,233	123,982	1,453,463
29	Per cent of total for Canada	100.00	0.49	0.69	8.07

¹ Fuel oil used in coal-fired stations for initial steam-raising: no resulting generation, (124,984 Imp. gals. in Nova Scotia, 537,940 Imp. gals in New Brunswick, 1,329,009 Imp. gals in Ontario and 205,316 Imp. gals in Manitoba).

² Standard cubic foot—760 mm. mercury 60° F.

TABLE 11. Fuel Used to Generate Electricity, 1964 -- Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
11,901	—	13,323	13,600	—	12,000	—	—	1
—	—	13,297	—	—	—	—	—	2
—	—	—	—	8,350	8,035	—	—	3
—	—	—	7,116	6,550	—	—	—	4
—	—	—	—	—	—	—	—	5
166,032	163,800	162,917	171,189	172,000	165,000	—	—	6
183,075	180,236	182,000	—	181,232	181,755	181,818	172,032	7
164,847	163,268	163,721	164,932	169,953	164,958	164,981	165,567	8
—	—	—	—	—	—	166,000	—	9
—	—	1,000	1,030	983	1,034	1,048	—	10
—	—	—	—	—	—	—	—	11
—	—	—	—	—	—	2,500	—	12
461,402	—	1,073,312	476	—	15,400	—	—	13
—	—	7,359,330	—	—	—	—	—	14
—	—	—	—	149,725	1,546,143	—	—	15
—	—	—	129,817	882,065	—	—	—	16
—	—	—	—	—	—	—	—	17
461,402 ¹	—	8,432,642 ¹	130,293 ¹	1,031,790	1,561,543	—	—	18
34 ¹	628	— ¹	712 ¹	1,947	600	—	—	19
475,280	74,222	1,645	—	223,643	71,389	47,059	11,944	20
7,868	37,206	53,999	30,245	3,754	15,375	119,427	25,304	21
—	—	—	—	—	—	1,013	—	22
483,182	112,056	55,644	30,957	229,344	87,364	167,499	37,248	23
—	—	18,585	18,386	650,772	2,100,702	599,796	—	24
—	—	—	—	—	—	—	—	25
—	—	18,585	18,386	650,772	2,100,702	599,796	—	26
—	—	141,407 ⁴	—	—	—	1,305 ⁵	—	27
944,584	112,056	8,648,278	179,636	1,911,906	3,749,609	768,600	37,248	28
5.24	0.62	48.00	1.00	10.61	20.81	4.26	0.21	29

³ Net generation after deducting station service.⁴ Nuclear generation.⁵ Propane generation.

TABLE 12. Employees, Wages, and Salaries, 1964

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
	Electric utilities — Publicly and privately-operated:				
	Employees (excluding construction employees):				
1	Administrative No.	19,621	224	18	528
2	Operating "	23,584	548	162	1,125
3	Total employees "	43,205	772	180	1,653
4	Per cent of total for Canada	100.00	1.79	0.42	3.82
	Wages and salaries (excluding construction employees):				
5	Administrative \$'000	119,741	979	135	2,445
6	Operating "	127,539	1,738	651	5,071
7	Total wages and salaries "	247,280	2,717	786	7,516
8	Per cent of total for Canada	100.00	1.10	0.32	3.04
	Publicly-operated:				
	Employees (excluding construction employees):				
9	Administrative No.	18,288	—	7	168
10	Operating "	20,656	1	19	529
11	Total employees "	38,944	1	26	697
12	Per cent of total for Canada	100.00	0.00	0.07	1.79
	Wages and salaries (excluding construction employees):				
13	Administrative \$'000	112,295	—	37	730
14	Operating "	113,210	5	81	2,111
15	Total wages and salaries "	225,505	5	118	2,841
16	Per cent of total for Canada	100.00	0.00	0.05	1.26
	Privately-operated:				
	Employees (excluding construction employees):				
17	Administration No.	1,333	224	11	360
18	Operating "	2,928	547	143	596
19	Total employees "	4,261	771	154	956
20	Per cent of total for Canada	100.00	18.09	3.61	22.44
	Wages and salaries (excluding construction employees):				
21	Administrative \$'000	7,448	979	98	1,715
22	Operating "	14,327	1,733	570	2,960
23	Total wages and salaries "	21,775	2,712	668	4,675
24	Per cent of total for Canada	100.00	12.45	3.07	21.47

TABLE 12. Employees, Wages, and Salaries, 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
469	6,428	7,669	1,260	906	665	1,381	73	1
1,023	6,018	9,037	1,333	1,442	1,246	1,427	223	2
1,492	12,446	16,706	2,593	2,348	1,911	2,808	296	3
3.45	28.81	38.67	6.00	5.43	4.42	6.50	0.69	4
2,506	41,272	46,956	7,448	4,745	4,146	8,621	488	5
3,494	30,941	54,119	5,994	8,849	6,903	8,630	1,149	6
6,000	72,213	101,075	13,442	13,594	11,049	17,251	1,637	7
2.43	29.20	40.87	5.43	5.50	4.47	6.98	0.66	8
464	6,403	7,553	1,258	892	192	1,291	60	9
989	5,925	8,695	1,330	1,358	494	1,127	189	10
1,453	12,328	16,248	2,588	2,250	686	2,418	249	11
3.73	31.66	41.72	6.64	5.78	1.76	6.21	0.64	12
2,479	41,040	46,319	7,431	4,652	1,200	8,017	390	13
3,337	30,406	52,405	5,970	8,412	2,584	6,930	969	14
5,816	71,446	98,724	13,401	13,064	3,784	14,947	1,359	15
2.58	31.68	43.78	5.94	5.80	1.68	6.63	0.60	16
5	25	116	2	14	473	90	13	17
34	93	342	3	84	752	300	34	18
39	118	458	5	98	1,225	390	47	19
0.92	2.77	10.75	0.12	2.30	28.75	9.15	1.10	20
28	232	637	18	93	2,946	604	98	21
156	535	1,714	23	437	4,319	1,700	180	22
184	767	2,351	41	530	7,265	2,304	278	23
0.85	3.52	10.80	0.19	2.43	33.36	10.58	1.28	24

TABLE 13. Assets and Liabilities at End of Year, 1964

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	4,128,954	72,864	9,634	85,252
2	Transmission	1,670,725	6,214	1,577	36,411
3	Distribution	2,084,751	26,638	6,688	60,081
4	Other property and equipment	479,216	11,651	265	10,277
5	Construction in progress	1,012,655	50,248	—	18,427
6	Totals	9,376,301	167,615	18,164	210,448
7	Accumulated depreciation	1,710,108	27,605	4,086	64,731
8	Total, less depreciation	7,666,193	140,010	14,078	145,717
9	Other fixed assets, less depreciation	61,456	177	130	2,115
10	Total fixed assets	7,727,649	140,187	14,208	147,832
	Current assets:				
11	Cash on hand and in banks	50,826	859	105	(140)
12	Temporary investments	67,520	2,789	—	2,682
13	Accounts receivable (net)	170,123	3,275	548	4,403
14	Inventories	94,072	1,095	389	1,879
15	Other	16,738	23	83	277
16	Total current assets	399,279	8,041	1,125	9,101
	Investments:				
17	In associated companies	210,973	2,384	—	1,402
18	Reserve fund investments	284,075	—	—	532
19	Other	245,903	65	—	65
20	Total investments	740,951	2,449	—	1,999
21	Deferred charges and prepaid expenses	213,950	737	—	542
22	Other assets	48,860	578	200	831
23	Total assets	9,130,689	151,992	15,533	160,305
	Liabilities:				
24	Long-term debt	6,115,986	86,264	7,595	92,684
	Current liabilities:				
25	Accounts payable and accrued liabilities	169,008	3,988	575	5,380
26	Loans and notes payable	158,544	5,495	376	5,168
27	Other	124,635	1,555	129	1,037
28	Total current liabilities	452,187	11,038	1,080	11,585
29	Reserves	717,094	310	44	3,299
30	Deferred credits and other liabilities	421,394	4,241	1,931	5,761
	Capital and surplus:				
31	Share capital	168,065	39,024	751	24,245
32	Surplus — Capital	174,316	3,268	1,223	5,421
33	Earned	1,081,647	7,847	2,909	17,310
34	Total capital and surplus	1,424,028	50,139	4,883	46,976
35	Total liabilities	9,130,689	151,992	15,533	160,305

TABLE 13. Assets and Liabilities at End of Year, 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
97,361	1,161,904	1,690,244	209,547	156,172	141,551	483,584	20,841	1
49,256	427,260	751,251	49,100	86,144	96,974	162,904	3,634	2
49,834	508,655	686,411	177,607	130,786	104,172	332,546	1,333	3
7,192	188,253	160,710	20,234	31,291	12,988	34,399	1,956	4
17,925	519,116	126,122	121,685	19,608	25,124	104,948	9,452	5
221,568	2,805,188	3,414,738	578,173	424,001	380,809	1,118,381	37,216	6
42,114	527,518	563,258	94,950	83,768	99,425	195,283	7,370	7
179,454	2,277,670	2,851,480	483,223	340,233	281,384	923,098	29,846	8
117	20,977	23,677	—	—	7,212	47	7,004	9
179,571	2,298,647	2,875,157	483,223	340,233	288,596	923,145	36,850	10
622	1,747	35,094	5,072	(1,681)	5,060	2,299	1,789	11
3,060	29,271	18,630	2,600	63	632	7,792	1	12
7,559	48,735	61,624	7,049	8,269	7,801	19,075	1,785	13
2,160	17,754	44,789	5,253	6,360	5,589	7,526	1,278	14
35	3,757	7,018	2,166	1,120	1,534	649	76	15
13,436	101,264	167,155	22,140	14,131	20,616	37,341	4,929	16
—	13,201	39	5	30	3,132	190,184	596	17
1,791	7,570	185,413	34,832	50,884	1,371	669	1,013	18
31	7,697	197	9,331	260	34	228,222	1	19
1,822	28,468	185,649	44,168	51,174	4,537	419,075	1,610	20
3,395	4,179	169,151	10,272	6,739	1,043	17,866	26	21
593	31,300	13,139	71	1,814	173	155	6	22
198,817	2,463,858	3,410,251	559,874	414,091	314,965	1,397,582	43,421	23
167,969	1,765,222	2,110,117	448,899	327,464	141,885	939,613	28,274	24
7,259	56,003	40,535	3,412	10,407	7,183	32,543	1,723	25
—	121,564	794	9,329	—	14,555	198	1,065	26
11	486	33,472	52,101	3,444	3,897	28,300	203	27
7,270	178,053	74,801	64,842	13,851	25,635	61,041	2,991	28
12,241	458,955	136,783	39,232	620	20,440	42,717	2,453	29
61	18,667	12,976	3,844	46,758	38,212	288,918	25	30
1,380	21,490	12,226	30	21,429	32,723	7,552	7,215	31
3,038	9,803	136,851	—	1,549	7,385	5,403	375	32
6,858	11,668	926,497	3,027	2,420	48,685	52,338	2,088	33
11,276	42,961	1,075,574	3,057	25,398	88,793	65,293	9,678	34
198,817	2,463,858	3,410,251	559,874	414,091	314,965	1,397,582	43,421	35

TABLE 13. Assets and Liabilities at End of Year, 1964 - Continued

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities - Publicly-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	3,738,011	60	1,203	41,401
2	Transmission	1,539,966	—	—	14,513
3	Distribution	1,911,394	3,383	802	27,478
4	Other property and equipment	448,058	—	27	2,717
5	Construction in progress	911,185	—	—	4,301
6	Totals	8,548,614	3,443	2,032	90,410
7	Accumulated depreciation	1,491,328	—	512	29,144
8	Total, less depreciation	7,057,286	3,443	1,520	61,266
9	Other fixed assets, less depreciation	48,848	—	130	847
10	Total fixed assets	7,106,134	3,443	1,650	62,113
	Current assets:				
11	Cash on hand and in banks	44,302	1	—	236
12	Temporary investments	61,007	—	—	176
13	Accounts receivable (net)	151,039	17	62	2,109
14	Inventories	86,236	—	73	213
15	Other	14,765	—	83	252
16	Total current assets	357,349	18	218	2,986
	Investments:				
17	In associated companies	203,385	—	—	—
18	Reserve fund investments	283,859	—	—	532
19	Other	245,347	—	—	63
20	Total investments	732,591	—	—	595
21	Deferred charges and prepaid expenses	207,372	—	—	303
22	Other assets	43,271	96	—	287
23	Total assets	8,446,717	3,557	1,868	66,284
	Liabilities:				
24	Long-term debt	5,804,893	—	421	51,673
	Current liabilities:				
25	Accounts payable and accrued liabilities	146,911	45	9	1,584
26	Loans and notes payable	135,104	—	86	4,111
27	Other	117,625	—	—	272
28	Total current liabilities	399,640	45	95	5,967
29	Reserves	707,362	—	44	3,149
30	Deferred credits and other liabilities	381,264	—	83	549
	Capital and surplus:				
31	Share capital	32,942	3,512	—	57
32	Surplus - Capital	155,014	—	1,147	4,422
33	Earned	965,602	—	78	467
34	Total capital and surplus	1,153,558	3,512	1,225	4,946
35	Total liabilities	8,446,717	3,557	1,868	66,284

TABLE 13. Assets and Liabilities at End of Year, 1964 — Continued

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
95,562	1,085,550	1,641,444	209,547	144,244	21,402	478,137	19,461	1
48,936	420,636	739,065	49,100	85,014	23,045	156,313	3,344	2
48,063	498,161	673,283	177,146	130,568	46,472	306,038	—	3
6,845	187,632	158,353	20,086	30,510	8,104	32,283	1,501	4
14,533	514,418	122,157	121,685	19,608	341	104,693	9,449	5
213,939	2,706,397	3,334,302	577,564	409,944	99,364	1,077,464	33,755	6
41,387	501,366	533,863	94,658	72,324	33,715	178,039	6,320	7
172,552	2,205,031	2,800,439	482,906	337,620	65,649	899,425	27,435	8
117	20,740	13,178	—	—	6,785	47	7,004	9
172,669	2,225,771	2,813,617	482,906	337,620	72,434	899,472	34,439	10
519	1,602	34,272	5,045	(1,752)	669	1,970	1,740	11
2,560	29,102	18,140	2,600	63	588	7,778	—	12
7,499	46,824	57,428	7,004	8,238	2,192	18,284	1,382	13
2,140	17,688	44,269	5,253	6,106	2,596	6,691	1,207	14
35	3,174	6,799	2,166	1,120	456	605	75	15
12,753	98,390	160,908	22,068	13,775	6,501	35,328	4,404	16
—	13,201	—	—	—	—	190,184	—	17
1,791	7,472	185,413	34,832	50,884	1,921	6	1,008	18
15	7,697	17	9,331	—	21	228,203	—	19
1,806	28,370	185,430	44,163	50,884	1,942	418,393	1,008	20
3,297	42	168,850	10,272	6,735	30	17,820	23	21
496	27,280	13,127	71	1,728	33	153	—	22
191,021	2,379,853	3,341,932	559,480	410,742	80,940	1,371,166	39,874	23
164,963	1,730,698	2,087,380	448,899	327,414	36,590	928,965	27,890	24
7,212	52,535	37,810	3,385	10,114	1,267	31,455	1,495	25
—	121,096	265	9,329	—	45	172	—	26
11	471	33,396	51,839	3,398	186	27,966	86	27
7,223	174,102	71,471	64,553	13,512	1,498	59,593	1,581	28
12,241	453,077	136,741	39,232	613	17,625	42,319	2,321	29
61	10,497	12,908	3,769	46,731	17,994	288,672	—	30
—	859	116	—	20,923	5	467	7,003	31
2,578	8,426	125,090	—	1,549	6,563	5,239	—	32
3,955	2,194	908,226	3,027	—	665	45,911	1,079	33
6,533	11,479	1,033,432	3,027	22,472	7,233	51,617	8,082	34
191,021	2,379,853	3,341,932	559,480	410,742	80,940	1,371,166	39,874	35

TABLE 13. Assets and Liabilities at End of Year, 1964 — Concluded

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Privately-operated:				
	Assets:				
	Fixed assets:				
	Electric utility (at original cost):				
1	Generating plant	390,943	72,804	8,431	43,851
2	Transmission	130,759	6,214	1,577	21,898
3	Distribution	173,357	23,255	5,886	32,603
4	Other property and equipment	31,158	11,651	238	7,560
5	Construction in progress	101,470	50,248	—	14,126
6	Totals	827,687	164,172	16,132	120,038
7	Accumulated depreciation	218,780	27,605	3,574	35,587
8	Total, less depreciation	608,907	136,567	12,558	84,451
9	Other fixed assets, less depreciation	12,608	177	—	1,268
10	Total fixed assets	621,515	136,744	12,558	85,719
	Current assets:				
11	Cash on hand and in banks	6,524	858	105	(376)
12	Temporary investments	6,513	2,789	—	2,506
13	Accounts receivable (net)	19,084	3,258	486	2,294
14	Inventories	7,836	1,095	316	1,666
15	Other	1,973	23	—	25
16	Total current assets	41,930	8,023	907	6,115
	Investments:				
17	In associated companies	7,588	2,384	—	1,402
18	Reserve fund investments	216	—	—	—
19	Other	556	65	—	2
20	Total investments	8,360	2,449	—	1,404
21	Deferred charges and prepaid expenses	6,578	737	—	239
22	Other assets	5,589	482	200	544
23	Total assets	683,972	148,435	13,665	94,021
	Liabilities:				
24	Long-term debt	311,093	86,264	7,174	41,011
	Current liabilities:				
25	Accounts payable and accrued liabilities	22,097	3,943	566	3,796
26	Loans and notes payable	23,440	5,495	290	1,057
27	Other	7,010	1,555	129	765
28	Total current liabilities	52,547	10,993	985	5,618
29	Reserves	9,732	310	—	150
30	Deferred credits and other liabilities	40,130	4,241	1,848	5,212
	Capital and surplus:				
31	Share capital	135,123	35,512	751	24,188
32	Surplus — Capital	19,302	3,268	76	999
33	Earned	116,045	7,847	2,831	16,843
34	Total capital and surplus	270,470	46,627	3,658	42,030
35	Total liabilities	683,972	148,435	13,665	94,021

TABLE 13. Assets and Liabilities at End of Year, 1964 — Concluded

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
1,799	76,354	48,800	—	11,928	120,149	5,447	1,380	1
320	6,624	12,186	—	1,130	73,929	6,591	290	2
1,771	10,494	13,128	461	218	57,700	26,508	1,333	3
347	621	2,357	148	781	4,884	2,116	455	4
3,392	4,698	3,965	—	—	24,783	255	3	5
7,629	98,791	80,436	609	14,057	281,445	40,917	3,461	6
727	26,152	29,395	292	11,444	65,710	17,244	1,050	7
6,902	72,639	51,041	317	2,613	215,735	23,673	2,411	8
—	237	10,499	—	—	427	—	—	9
6,902	72,876	61,540	317	2,613	216,162	23,673	2,411	10
103	145	822	27	71	4,391	329	49	11
500	169	490	—	—	44	14	1	12
60	1,911	4,196	45	31	5,609	791	403	13
20	66	520	—	254	2,993	835	71	14
—	583	219	—	—	1,078	44	1	15
683	2,874	6,247	72	356	14,115	2,013	525	16
—	—	39	5	30	3,132	—	596	17
—	98	—	—	—	(550)	663	5	18
16	—	180	—	260	13	19	1	19
16	98	219	5	290	2,595	682	602	20
98	4,137	301	—	4	1,013	46	3	21
97	4,020	12	—	86	140	2	6	22
7,796	84,005	68,319	394	3,349	234,025	26,416	3,547	23
3,006	34,524	22,737	—	50	105,295	10,648	384	24
47	3,468	2,725	27	293	5,916	1,088	228	25
—	468	529	—	—	14,510	26	1,065	26
—	15	76	262	46	3,711	334	117	27
47	3,951	3,330	289	339	24,137	1,448	1,410	28
—	5,878	42	—	7	2,815	398	132	29
—	8,170	68	75	27	20,218	246	25	30
1,380	20,631	12,110	30	506	32,718	7,085	212	31
460	1,377	11,761	—	—	822	164	375	32
2,903	9,474	18,271	—	2,420	48,020	6,427	1,009	33
4,743	31,482	42,142	30	2,926	81,560	13,676	1,596	34
7,796	84,005	68,319	394	3,349	234,025	26,416	3,547	35

TABLE 14. Income Account, 1964

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
	Operating revenue:				
1	Sale of electricity ¹	1, 284, 433	20, 260	3, 803	42, 523
2	Other	23, 860	495	8	500
3	Total operating revenue	1, 308, 293	20, 755	3, 811	43, 023
	Operating expense:				
4	Operation, maintenance and administration	430, 237	5, 859	1, 760	19, 615
5	Power purchased	259, 483	1, 047	83	6, 117
6	Depreciation	178, 525	4, 182	578	6, 113
7	Total operating expense	868, 245	11, 088	2, 421	31, 845
8	Operating income	440, 048	9, 667	1, 390	11, 178
9	Other income	25, 490	158	—	88
10	Total income	465, 538	9, 825	1, 390	11, 266
	Income deductions:				
11	Interest on long-term debt	267, 664	4, 318	320	3, 996
12	Income tax	20, 695	2, 551	366	3, 038
13	Other deductions	61, 887	256	89	243
14	Total income deductions	350, 246	7, 125	775	7, 277
15	Net income	115, 292	2, 700	615	3, 989
	Publicly-operated:				
	Operating revenue:				
16	Sale of electricity ¹	1, 133, 281	22	520	14, 150
17	Other	20, 314	46	8	80
18	Total operating revenue	1, 153, 595	68	528	14, 230
	Operating expense:				
19	Operation, maintenance and administration	373, 025	158	189	5, 923
20	Power purchased	244, 461	—	83	2, 887
21	Depreciation	157, 243	—	62	2, 536
22	Total operating expense	774, 729	158	334	11, 346
23	Operating income	378, 866	(90)	194	2, 884
24	Other income	24, 566	—	—	51
25	Total income	403, 432	(90)	194	2, 935
	Income deductions:				
26	Interest on long-term debt	252, 989	—	20	2, 493
27	Income tax	127	—	—	—
28	Other deductions	56, 347	—	63	230
29	Total income deductions	309, 463	—	83	2, 723
30	Net income	93, 969	(90)	111	212
	Privately-operated:				
	Operating revenue:				
31	Sale of electricity ¹	151, 152	20, 238	3, 283	28, 373
32	Other	3, 546	449	—	420
33	Total operating revenue	154, 698	20, 687	3, 283	28, 793
	Operating expense:				
34	Operation, maintenance and administration	57, 212	5, 701	1, 571	13, 692
35	Power purchased	15, 022	1, 047	—	3, 230
36	Depreciation	21, 282	4, 182	516	3, 577
37	Total operating expense	93, 516	10, 930	2, 087	20, 499
38	Operating income	61, 182	9, 757	1, 196	8, 294
39	Other income	924	158	—	37
40	Total income	62, 106	9, 915	1, 196	8, 331
	Income deductions:				
41	Interest on long-term debt	14, 675	4, 318	300	1, 503
42	Income tax	20, 568	2, 551	366	3, 038
43	Other deductions	5, 540	256	26	13
44	Total income deductions	40, 783	7, 125	692	4, 554
45	Net income	21, 323	2, 790	504	3, 777

¹ This table is a composite summation of all the reports received. Revenue from the sale of electricity, therefore, includes duplications arising from inter-utility sales and is larger than the revenue shown in Table 5.

TABLE 14. Income Account, 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
36,446	297,372	569,079	52,952	55,030	86,747	115,121	5,100	1
359	8,140	8,367	1,003	162	768	2,501	1,557	2
36,805	305,512	577,446	53,955	55,192	87,515	117,622	6,657	3
15,215	109,332	173,617	19,987	19,104	25,019	37,189	3,540	4
5,570	23,866	192,234	4,364	3,337	15,880	6,083	902	5
6,117	47,702	55,481	11,794	11,455	9,919	24,496	688	6
26,902	180,900	421,332	36,145	33,896	50,818	67,768	5,130	7
9,903	124,612	156,114	17,810	21,296	36,697	49,854	1,527	8
54	18,945	240	2,601	2,947	359	1	97	9
9,957	143,557	156,354	20,411	24,243	37,056	49,855	1,624	10
7,355	77,585	98,678	14,161	15,372	7,039	38,076	764	11
81	2,010	3,837	—	233	7,403	953	223	12
1,545	19,826	29,898	1,819	680	7,076	404	51	13
8,981	99,421	132,413	15,980	16,285	21,518	39,433	1,038	14
976	44,136	23,941	4,431	7,958	15,538	10,422	586	15
34,247	284,226	543,855	52,408	53,449	40,173	107,269	2,962	16
355	7,212	6,701	1,001	160	768	2,432	1,551	17
34,602	291,438	550,556	53,409	53,609	40,941	109,701	4,513	18
14,579	103,797	162,470	19,922	18,289	10,220	34,552	2,926	19
4,318	23,302	187,491	3,903	3,225	15,014	4,238	—	20
6,031	45,436	53,656	11,774	11,173	2,610	23,426	539	21
24,928	172,535	403,617	35,599	32,687	27,844	62,216	3,465	22
9,674	118,903	146,939	17,810	20,922	13,097	47,485	1,048	23
—	18,805	16	2,601	2,945	91	1	56	24
9,674	137,708	146,955	20,411	23,867	13,188	47,486	1,104	25
7,166	76,054	97,621	14,161	15,366	1,701	37,659	748	26
—	38	35	—	45	—	9	—	27
1,623	19,480	29,826	1,819	680	2,294	332	—	28
8,789	95,572	127,482	15,980	16,091	3,995	38,000	748	29
885	42,136	19,473	4,431	7,776	9,193	9,486	356	30
2,199	13,146	25,224	544	1,581	46,574	7,852	2,138	31
4	928	1,666	2	2	—	69	6	32
2,203	14,074	26,890	546	1,583	46,574	7,921	2,144	33
636	5,535	11,147	65	815	14,799	2,637	614	34
1,252	564	4,743	461	112	866	1,845	902	35
86	2,266	1,825	20	282	7,309	1,070	149	36
1,974	8,365	17,715	546	1,209	22,974	5,552	1,665	37
229	5,709	9,175	—	374	23,600	2,369	479	38
54	140	224	—	2	268	—	41	39
283	5,849	9,399	—	376	23,868	2,369	520	40
189	1,531	1,057	—	6	5,338	417	16	41
81	1,972	3,802	—	188	7,403	944	223	42
(78)	346	72	—	—	4,782	72	51	43
192	3,849	4,931	—	194	17,523	1,433	290	44
91	2,000	4,468	—	182	6,345	936	230	45

TABLE 15. Taxes, 1964

No.		Canada	New- foundland	Prince Edward Island	Nova Scotia
		thousands of dollars			
	Electric utilities — Publicly and privately-operated:				
1	Municipal	26,550	105	16	1,675
2	Provincial	25,380	29	—	16
3	Federal	2,613	48	—	1
4	Total taxes	54,543	182	16	1,692
5	Per cent of total for Canada	100.00	0.33	0.03	3.10
	Publicly-operated:				
6	Municipal	21,429	—	16	235
7	Provincial	24,343	—	—	—
8	Federal	1,980	—	—	—
9	Total taxes	47,752	—	16	235
10	Per cent of total for Canada	100.00	—	0.03	0.49
	Privately-operated:				
11	Municipal	5,121	105	—	1,440
12	Provincial	1,037	29	—	16
13	Federal	633	48	—	1
14	Total taxes	6,791	182	—	1,457
15	Per cent of total for Canada	100.00	2.68	—	21.45

¹ Includes \$19,621,000 "Levy on production".

TABLE 16. Capital and Repair Expenditures,¹ 1963 - 64

No.		1963					
		Electric utilities ²			Other industries		
		Capital	Repair	Total	Capital	Repair	Grand total
		thousands of dollars					
1	Electric power generating plants including water conveying and controlling structures	204,600	10,200	214,800	2,200	3,800	220,800
2	Electric transformer stations	30,700	5,900	36,600	4,900	700	42,200
3	Power transmission and distribution	168,800	30,300	199,100	5,800	2,900	207,800
4	Street lighting	7,200	2,800	10,000	7,000	4,800	21,800
5	Total generating transmission and distribution facilities	411,300	49,200	460,500	19,900	12,200	492,600
6	Dams and reservoirs	34,400	400	34,800	...	...	...
7	Other facilities	13,300	2,200	15,500	...	...	...
8	Totals	459,000	51,800	510,800	...	...	...
9	Machinery and equipment	153,900	33,100	187,000	...	...	...
10	Total electric utilities	612,900	84,900	697,800	...	...	...

¹ Compiled by Business Finance Division, DBS.

TABLE 15. Taxes, 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousands of dollars								
174	8,750	7,591	331	783	3,203	3,908	14	1
12	20,333 ¹	391	602	44	233	3,720	—	2
7	582	1,975	—	—	—	—	—	3
193	29,665	9,957	933	827	3,436	7,628	14	4
0.35	54.39	18.26	1.71	1.52	6.30	13.99	0.02	5
97	7,966	6,798	331	779	1,636	3,571	—	6
3	19,637 ¹	386	602	41	23	3,651	—	7
7	—	1,973	—	—	—	—	—	8
107	27,603	9,157	933	820	1,659	7,222	—	9
0.22	57.81	19.18	1.95	1.72	3.48	15.12	—	10
77	784	793	—	4	1,567	337	14	11
9	696	5	—	3	210	69	—	12
—	582	2	—	—	—	—	—	13
86	2,062	800	—	7	1,777	406	14	14
1.27	30.36	11.78	—	0.10	26.17	5.98	0.21	15

TABLE 16. Capital and Repair Expenditures,¹ 1963-64

1964							No.
Electric utilities ²			Other industries			Grand total	
Capital	Repairs	Total	Capital	Repairs	Total		
thousands of dollars							
181,300	9,500	190,800	6,600	3,600	10,200	201,000	1
79,700	4,400	84,100	8,200	1,100	9,300	93,400	2
213,400	34,700	248,100	7,000	2,700	9,700	257,800	3
7,000	2,600	9,600	6,800	4,200	11,000	20,600	4
481,400	51,200	532,600	28,600	11,600	40,200	572,800	5
77,600	500	78,100	...	...	...	...	6
23,600	2,000	25,600	...	...	...	...	7
582,600	53,700	636,300	...	...	...	...	8
146,400	40,000	186,400	...	...	...	...	9
729,000	93,700	822,700	...	...	...	...	10

² Includes Aluminum Company of Canada Ltd.

TABLE 17. Supply and Disposal of Electric Energy, 1951 - 62
Canada

No.		1951	1952	1953	1954
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	46,096,297	49,578,034	49,408,537	53,009,910
2	Industries	12,158,002	12,783,682	15,113,309	16,320,565
3	Totals	58,254,299	62,361,716	64,521,846	69,330,475
	Thermal-generation (net):				
4	Utilities	1,775,562	2,293,147	3,836,239	3,282,190
5	Industries	1,745,851	1,841,658	1,942,785	1,926,917
6	Totals	3,521,413	4,134,805	5,779,024	5,209,107
7	Grand total generation (3 + 6)	61,775,712	66,496,521	70,300,870	74,539,582
8	Imports from United States	8,956	19,985	180,637	119,024
9	Imports from other provinces .....	...	...	...	...
10	Total supply of electric energy (7 + 8 + 9)	61,784,668	66,516,506	70,481,507	74,658,606
	Disposal of electric energy:				
11	Residential and farm	7,726,114	8,741,182	9,877,727	11,280,513
	Manufacturing consumption:				
12	Pulp and paper	13,142,684	13,972,041	14,700,541	15,376,028
13	Smelting and refining	10,800,837	12,045,222	13,311,547	13,675,773
14	Chemicals	3,905,452	3,709,041	3,895,608	4,196,480
15	Primary iron and steel	2,363,325	2,600,279	1,927,431	1,578,564
16	Abrasives	1,121,261	934,275	1,029,784	790,159
17	Other manufacturing	5,544,304	5,806,352	6,404,683	6,776,410
18	Total manufacturing consumption (12 to 17)	36,877,863	39,067,210	41,269,594	42,393,414
19	Mining consumption	2,813,306	2,942,388	2,914,609	3,129,504
20	Total industrial consumption (18 + 19)	39,691,169	42,009,598	44,184,203	45,522,918
	Commercial and other consumption:				
21	At power rates	2,739,879	3,426,038	3,300,122	3,720,320
22	At commercial rates	3,152,501	3,489,248	3,881,423	4,210,156
23	Street lighting	320,722	348,246	379,815	406,609
24	Totals (21 + 22 + 23)	6,213,102	7,263,532	7,561,360	8,337,085
25	Line loss, free service and unaccounted for	5,778,761	6,008,984	6,434,187	6,799,782
26	Residual error of estimate	—	—	—	—
27	Total domestic disposal (11 + 18 + 19 + 24 + 25 + 26)	59,409,146	64,023,296	68,057,477	71,940,298
28	Total exports to United States	2,375,522	2,493,210	2,424,030	2,718,308
29	Total exports to other provinces .....	...	...	...	...
30	Total disposal of electric energy (27 + 28 + 29)	61,784,668	66,516,506	70,481,507	74,658,606

TABLE 17. Supply and Disposal of Electric Energy, 1951-62
Canada

1955	1956	1957	1958	1959	1960	1961	1962	No.
thousands of kilowatt-hours								
59,773,529	64,242,172	66,040,067	71,171,268	77,767,745	83,202,548	82,325,864	81,343,560	1
16,950,871	17,613,568	17,333,153	19,337,932	19,272,085	22,680,225	21,593,377	22,707,164	2
76,724,400	81,855,740	83,373,220	90,509,200	97,039,830	105,882,773	103,919,241	104,050,724	3
3,340,340	4,403,530	5,482,927	4,781,864	5,281,140	5,953,853	7,062,771	10,752,536	4
2,156,564	2,195,339	2,258,608	2,234,525	2,349,588	2,620,568	2,731,306	2,665,488	5
5,496,904	6,598,869	7,741,535	7,016,389	7,630,728	8,574,421	9,794,077	13,418,024	6
82,221,304	88,454,609	91,114,755	97,525,589	104,670,558	114,457,194	113,713,318	117,468,748	7
158,562	239,173	832,974	245,062	512,002	356,878	1,394,014	2,778,709	8
...	...	...	...	...	...	...	...	9
82,379,866	88,693,782	91,947,729	97,770,651	105,182,560	114,814,072	115,107,332	120,247,457	10
12,713,204	14,338,789	15,857,618	17,290,984	19,007,111	20,397,014	21,975,672	23,692,010	11
15,177,125	15,231,703	16,049,923	18,287,599	19,371,127	20,916,595	20,821,332	20,182,620	12
15,196,100	15,375,544	14,954,989	16,372,053	15,902,306	19,735,198	18,032,758	18,528,551	13
4,247,488	4,481,714	4,831,978	5,766,263	5,947,417	6,411,146	6,207,780	6,275,377	14
2,211,757	2,676,761	2,553,634	1,818,214	2,303,183	2,512,295	2,615,444	2,895,927	15
1,034,460	1,127,217	1,201,933	902,249	1,070,648	1,162,801	979,495	970,525	16
7,339,494	8,225,143	8,681,987	9,080,782	10,331,732	10,686,698	10,872,023	11,657,482	17
45,206,424	47,118,082	48,274,444	52,227,160	54,926,413	61,424,733	59,528,832	60,510,482	18
3,427,535	4,075,465	4,339,053	4,649,256	4,809,849	4,928,387	4,825,625	4,987,875	19
48,633,959	51,193,547	52,613,497	56,876,416	59,736,262	66,353,120	64,354,457	65,498,357	20
4,152,463	4,155,401	3,717,537	3,604,434	4,556,867	4,032,465	4,906,960 ^f	5,472,107	21
4,690,922	5,191,465	5,974,378	6,414,986	6,874,678	7,943,258	8,780,988	9,833,025	22
435,677	473,726	511,439	554,733	584,704	656,759	726,813	819,121	23
9,279,062	9,820,592	10,203,354	10,574,153	12,016,249	12,632,482	14,414,761 ^f	16,124,253	24
7,320,181	8,232,578	8,378,087	8,784,705	9,634,157	10,391,756	10,523,046	10,748,100	25
—	4,607	62,693	158,475	195,737	— 472,152	— 318,135 ^f	72,326	26
77,946,406	83,590,113	87,115,249	93,684,733	100,589,516	109,302,220	110,949,801	116,135,046	27
4,433,460	5,103,669	4,832,480	4,085,918	4,593,044	5,511,852	4,157,531	4,112,411	28
...	...	...	...	...	...	...	...	29
82,379,866	88,693,782	91,947,729	97,770,651	105,182,560	114,814,072	115,107,332	120,247,457	30

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
Newfoundland

No.		1951	1952	1953	1954
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	170,898	228,875	247,187	274,213
2	Industries	859,125	930,757	868,222	873,298
3	Totals	1,030,023	1,159,632	1,115,409	1,147,511
	Thermal-generation (net):				
4	Utilities	1,538	4,416	4,240	5,564
5	Industries	25,000	30,000	25,000	25,506
6	Totals	26,538	34,416	29,240	31,070
7	Grand total generation (3 + 6)	1,056,561	1,194,048	1,144,649	1,178,581
8	Imports from United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7 + 8 + 9)	1,056,561	1,194,048	1,144,649	1,178,581
	Disposal of electric energy:				
11	Residential and farm	48,258	61,577	71,977	87,089
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	886,029	968,566	913,508	917,464
19	Mining consumption	52,025	56,007	60,599	66,928
	Total industrial consumption (18 + 19)	938,054	1,024,573	974,107	984,392
	Commercial and other consumption:				
21	At power rates	30,124	55,824	35,476	41,630
22	At commercial rates	16,618	22,928	22,556	25,296
23	Street lighting	2,737	3,823	3,859	3,979
24	Totals (21 + 22 + 23)	49,479	82,575	61,891	70,905
25	Line loss, free service and unaccounted for	20,770	25,323	36,674	36,195
26	Residual error of estimate	—	—	—	—
27	Total provincial disposal (11+18+19+24+25+26)	1,056,561	1,194,048	1,144,649	1,178,581
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	—	—	—
30	Total disposal of electric energy (27 + 28 + 29)	1,056,561	1,194,048	1,144,649	1,178,581

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
Newfoundland

1955	1956	1957	1958	1959	1960	1961	1962	No.
thousands of kilowatt-hours								
704,797	1,009,291	969,891	983,499	1,009,845	1,036,514	935,851	1,156,732	1
561,130	351,454	343,505	357,344	360,981	388,163	384,701	393,784	2
1,265,927	1,360,745	1,313,396	1,340,843	1,370,826	1,424,677	1,320,552	1,550,516	3
6,658	2,967	12,524	8,576	35,665	47,198	86,751	67,315	4
30,910	32,334	49,789	61,753	42,147	39,684	50,257	44,820	5
37,568	35,301	62,313	70,329	77,812	86,882	137,008	112,135	6
1,303,495	1,396,046	1,375,709	1,411,172	1,448,638	1,511,559	1,457,560	1,662,651	7
—	—	—	—	—	—	—	—	8
—	—	8,504	—	—	—	—	—	9
1,303,495	1,396,046	1,384,213	1,411,172	1,448,638	1,511,559	1,457,560	1,662,651	10
103,400	121,714	132,678	138,766	160,820	169,481	179,761	195,367	11
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								17
969,733	966,182	911,183	929,525	944,966	953,905	890,727	995,771	18
73,438	98,066	108,130	107,251	111,130	118,300	133,410	201,346	19
1,043,171	1,064,248	1,019,313	1,036,776	1,056,096	1,072,205	1,024,137	1,197,117	20
47,574	42,231	39,839	38,357	34,949	41,955	31,382	18,566	21
29,271	32,642	35,511	37,969	41,809	50,429	57,960	62,739	22
4,411	3,883	4,073	4,112	4,429	5,065	5,351	5,638	23
81,256	78,756	79,423	80,438	81,187	97,449	94,693	86,943	24
75,668	104,391	110,663	110,963	113,141	103,924	102,712	101,824	25
—	— 4,559	— 2,484	7,255	— 3,899	— 16,214	— 18,967	—	26
1,303,495	1,364,550	1,339,593	1,374,198	1,407,345	1,426,845	1,382,336	1,581,251	27
—	—	—	—	—	—	—	—	28
—	31,496	44,620	36,974	41,293	84,714	75,224	81,400	29
1,303,495	1,396,046	1,384,213	1,411,172	1,448,638	1,511,559	1,457,560	1,662,651	30

TABLE 17. Supply and Disposal of Electric Energy 1951-62 -- Continued
Prince Edward Island

No.		1951	1952	1953	1954
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	565	509	366	645
2	Industries	—	—	—	—
3	Totals	565	509	366	645
	Thermal-generation (net):				
4	Utilities	32,203	35,370	39,073	41,869
5	Industries	—	—	—	7
6	Totals	32,203	35,370	39,073	41,876
7	Grand total generation (3 + 6)	32,768	35,879	39,439	42,521
8	Imports from the United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7 + 8 + 9)	32,768	35,879	39,439	42,521
	Disposal of electric energy:				
11	Residential and farm	11,479	11,954	13,042	14,053
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	3,614	3,656	4,275	5,023
19	Mining consumption	—	—	—	—
20	Total industrial consumption (18 + 19)	3,614	3,656	4,275	5,023
	Commercial and other consumption:				
21	At power rates	2,864	3,604	4,515	4,739
22	At commercial rates	10,063	10,926	11,094	11,660
23	Street lighting	521	620	766	808
24	Totals (21 + 22 + 23)	13,448	15,150	16,375	17,207
25	Line loss, free service and unaccounted for	4,227	5,119	5,747	6,238
26	Residual error of estimate	—	—	—	—
27	Total provincial disposal (11 + 18 + 19 + 24 + 25 + 26)	32,768	35,879	39,439	42,521
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	—	—	—
30	Total disposal of electric energy (27 + 28 + 29)	32,768	35,879	39,439	42,521

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
Prince Edward Island

1955	1956	1957	1958	1959	1960	1961	1962	No.
thousands of kilowatt-hours								
545	441	370	537	340	415	407	407	1
—	—	—	—	—	—	—	—	2
545	441	370	537	340	415	407	407	3
45,885	51,355	56,613	62,492	70,802	79,037	88,150	101,347	4
7	7	5	5	—	—	—	—	5
45,892	51,362	56,618	62,497	70,802	79,037	88,150	101,347	6
46,437	51,803	56,988	63,034	71,142	79,452	88,557	101,754	7
—	—	—	—	—	—	—	—	8
—	—	—	—	—	—	—	—	9
46,437	51,803	56,988	63,034	71,142	79,452	88,557	101,754	10
15,789	18,957	20,560	23,103	27,033	30,130	38,314 ^r	39,140	11
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								17
4,987	5,568	5,746	5,727	8,983	8,870	8,557	12,198	18
—	—	—	—	—	—	—	49	19
4,987	5,568	5,746	5,727	8,983	8,870	8,557	12,247	20
5,160	2,503	2,131	2,994	2,959	5,312	2,972	— 1,362	21
12,420	15,861	18,088	19,507	19,894	20,511	24,746	35,233	22
785	803	995	1,017	1,238	1,208	1,037	1,450	23
18,365	19,167	21,214	23,518	24,091	27,031	28,755	35,321	24
7,296	8,012	9,375	10,582	11,035	13,421	12,931	15,046	25
—	99	93	104	—	—	—	—	26
46,437	51,803	56,988	63,034	71,142	79,452	88,557	101,754	27
—	—	—	—	—	—	—	—	28
—	—	—	—	—	—	—	—	29
46,437	51,803	56,988	63,034	71,142	79,452	88,557	101,754	30

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
Nova Scotia

No.		1951	1952	1953	1954
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	494,418	458,912	469,948	526,928
2	Industries	102,743	98,494	90,167	67,648
3	Totals	597,161	557,406	560,115	594,576
	Thermal-generation (net):				
4	Utilities	331,055	456,665	505,560	561,116
5	Industries	137,328	138,376	160,811	137,743
6	Totals	468,383	595,041	666,371	698,859
7	Grand total generation (3+6).....	1,065,544	1,152,447	1,226,486	1,293,435
8	Imports from the United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7+8+9)	1,065,544	1,152,447	1,226,486	1,293,435
	Disposal of electric energy:				
11	Residential and farm	168,349	189,712	222,194	248,343
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	444,321	472,483	498,226	485,350
19	Mining consumption	159,995	173,411	177,775	183,701
20	Total industrial consumption (18+19)	604,316	645,894	676,001	669,051
	Commercial and other consumption:				
21	At power rates	81,063	100,528	109,302	121,391
22	At commercial rates	76,959	85,315	89,784	96,352
23	Street lighting	8,527	8,796	9,065	9,348
24	Totals (21+22+23)	166,549	194,639	208,151	227,091
25	Line loss, free service and unaccounted for	120,101	115,560	113,230	141,714
26	Residual error of estimate	—	—	—	—
27	Total provincial disposal (11+18+19+24+25+26)	1,059,315	1,145,805	1,219,576	1,286,199
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	6,229	6,642	6,910	7,236
30	Total disposal of electric energy (27+28+29)...	1,065,544	1,152,447	1,226,486	1,293,435

TABLE 17. Supply and Disposal of Electric Energy 1951-62 -- Continued
Nova Scotia

1955	1956	1957	1958	1959	1960	1961	1962	No.
thousands of kilowatt-hours								
499,038	554,685	498,183	606,264	640,255	618,855	512,225	676,660	1
40,937	37,676	28,310	39,336	39,195	36,309	31,785	38,740	2
539,975	592,361	526,493	645,600	679,450	655,164	544,010	715,400	3
697,403	761,004	857,135	793,202	852,688	1,042,399	1,183,598	1,098,361	4
137,560	127,863	150,209	123,940	117,904	116,370	133,525	135,328	5
834,963	888,867	1,007,344	917,142	970,592	1,158,769	1,317,123	1,233,689	6
1,374,938	1,481,228	1,533,837	1,562,742	1,650,042	1,813,933	1,861,133	1,949,089	7
—	—	—	—	—	—	—	—	8
—	—	—	—	—	588	15,214	62,699	9
1,374,938	1,481,228	1,533,837	1,562,742	1,650,042	1,814,521	1,876,347	2,011,788	10
281,846	319,243	356,000	385,465	434,396	461,926	512,244	561,430	11
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								16
								17
497,592	545,385	528,384	479,427	508,055	590,368	546,939	581,945	18
184,044	184,646	171,895	175,908	156,993	152,588	146,654	143,710	19
681,636	730,031	700,279	655,335	665,048	742,956	693,593	725,655	20
143,724	154,563	162,897	177,123	196,787	175,749	203,664	229,440	21
102,862	109,906	121,300	126,006	131,068	138,477	156,025	169,898	22
10,054	10,322	10,046	12,111	12,715	14,261	17,256	19,149	23
256,640	274,791	294,243	315,240	340,570	328,487	376,945	418,487	24
146,905	156,539	171,677	148,761	150,177	206,565	219,795	230,194	25
—	— 7,610	2,780	47,992	45,867	— 6,601	— 25,885	— 20	26
1,367,027	1,472,994	1,524,979	1,552,793	1,636,058	1,733,333	1,776,692	1,935,746	27
—	—	—	—	—	—	—	—	28
7,911	8,234	8,858	9,949	13,984	81,188	99,655	76,042	29
1,374,938	1,481,228	1,533,837	1,562,742	1,650,042	1,814,521	1,876,347	2,011,788	30

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
New Brunswick

No.		1951	1952	1953	1954
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	508,832	446,439	483,846	654,555
2	Industries	69,164	69,858	74,412	66,247
3	Totals	577,996	516,297	558,258	720,802
	Thermal-generation (net):				
4	Utilities	229,817	290,013	234,104	220,566
5	Industries	279,369	283,872	327,946	323,380
6	Totals	509,186	573,885	562,050	543,946
7	Grand total generation (3 + 6)	1,087,182	1,090,182	1,120,308	1,264,748
8	Imports from United States	2	3	3	3
9	Imports from other provinces	15,776	16,981	15,001	17,275
10	Total supply of electric energy (7 + 8 + 9)	1,102,960	1,107,166	1,135,312	1,282,026
	Disposal of electric energy:				
11	Residential and farm	110,734	122,859	136,213	153,212
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	798,946	772,225	790,339	842,120
19	Mining consumption	8,431	11,605	12,064	14,602
20	Total industrial consumption (18 + 19)	807,377	783,830	802,403	856,722
	Commercial and other consumption:				
21	At power rates	14,258	31,494	35,507	46,513
22	At commercial rates	55,750	61,089	65,246	71,734
23	Street lighting	7,975	8,787	9,382	9,599
24	Totals (21 + 22 + 23)	77,983	101,370	110,135	127,846
25	Line loss, free service and unaccounted for	57,305	57,648	48,031	81,133
26	Residual error of estimate	—	—	—	—
27	Total provincial disposal(11+18+19+24+25+26)	1,053,399	1,065,707	1,096,782	1,218,913
28	Total exports to United States	49,561	41,459	37,975	62,333
29	Total exports to other provinces	—	—	555	780
30	Total disposal of electric energy (27 + 28 + 29)	1,102,960	1,107,166	1,135,312	1,282,026

TABLE 17. Supply and Disposal of Electric Energy 1951 - 62 — Continued
New Brunswick

1955	1956	1957	1958	1959	1960	1961	1962	No.
thousands of kilowatt-hours								
497,578	454,448	634,050	954,222	1,050,563	751,809	959,464	1,128,375	1
53,921	68,490	72,414	68,798	65,272	64,296	61,273	85,100	2
551,499	522,938	706,464	1,023,020	1,115,835	816,105	1,020,737	1,213,475	3
343,998	441,622	348,883	243,428	255,353	421,131	379,788	461,458	4
396,945	398,193	349,414	346,234	452,285	501,142	511,612	499,722	5
740,943	839,815	698,297	589,662	707,638	922,273	891,400	961,180	6
1,292,442	1,362,753	1,404,761	1,612,682	1,823,473	1,738,378	1,912,137	2,174,655	7
3	11,451	4,525	591	151	14,724	13,512	15,741	8
18,470	21,621	23,156	25,851	27,986	96,500	118,932	98,517	9
1,310,915	1,395,825	1,432,442	1,639,124	1,851,610	1,849,602	2,044,581	2,288,913	10
171,052	195,768	225,210	253,273	300,825	328,107	362,040	409,357	11
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879,410	886,719	858,471	890,600	968,689	1,054,471	1,054,209	1,075,820	18
21,313	22,273	39,516	23,951	19,515	21,023	24,535	44,983	19
900,723	908,992	897,987	914,551	988,204	1,075,494	1,078,744	1,120,803	20
63,673	86,514	52,810	147,329	170,922	46,632	132,298	169,571	21
78,425	84,712	91,425	97,745	105,702	110,215	122,416	119,017	22
9,698	9,901	10,910	12,053	14,262	15,717	18,586	20,292	23
151,796	181,127	155,145	257,127	290,886	172,564	273,300	308,880	24
54,455	90,548	108,117	87,294	117,337	128,646	112,924	148,170	25
—	— 5,624	— 2,666	— 15,910	— 4,274	— 20,906	— 2,504	— 7,358	26
1,278,026	1,370,811	1,383,793	1,496,335	1,692,978	1,683,905	1,824,504	1,979,852	27
32,889	25,014	48,649	142,789	158,621	165,109	204,863	246,344	28
—	—	—	—	11	588	15,214	62,717	29
1,310,915	1,395,825	1,432,442	1,639,124	1,851,610	1,849,602	2,044,581	2,288,913	30

**TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
Quebec**

No.		1951	1952	1953	1954
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	22,994,531	24,847,058	24,478,750	24,728,478
2	Industries	7,753,001	8,308,774	10,355,955	10,690,240
3	Totals	30,747,532	33,155,832	34,834,705	35,418,718
	Thermal-generation (net):				
4	Utilities	11,666	14,296	21,714	15,644
5	Industries	111,702	119,649	111,382	126,823
6	Totals	123,368	133,945	133,096	142,467
7	Grand total generation (3+6)	30,870,900	33,289,777	34,967,801	35,561,185
8	Imports from United States	215	500	720	539
9	Imports from other provinces	6,538	8,678	9,421	10,621
10	Total supply of electric energy (7+8+9)	30,877,653	33,298,955	34,977,942	35,572,345
	Disposal of electric energy:				
11	Residential and farm	1,434,277	1,680,591	1,954,815	2,342,693
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	19,535,828	21,215,383	22,639,243	23,080,637
19	Mining consumption	730,627	801,467	779,976	848,889
20	Total industrial consumption (18+19)	20,266,455	22,016,850	23,419,219	23,929,526
	Commercial and other consumption:				
21	At power rates	720,340	1,076,218	1,017,879	839,042
22	At commercial rates	786,458	860,104	981,760	1,061,791
23	Street lighting	63,428	70,157	77,590	85,450
24	Totals (21+22+23)	1,570,226	2,006,479	2,077,229	1,986,283
25	Line loss, free service and unaccounted for	1,889,932	1,918,351	2,082,658	2,161,346
26	Residual error of estimate	—	—	—	—
27	Total provincial disposal (11+18+19+24+25+26)	25,160,890	27,622,271	29,533,921	30,419,848
28	Total exports to United States	646,993	664,978	677,975	659,232
29	Total exports to other provinces	5,069,770	5,011,706	4,766,046	4,493,265
30	Total disposal of electric energy (27+28+29)	30,877,653	33,298,955	34,977,942	35,572,345

TABLE 17. Supply and Disposal of Electric Energy 1951 - 62 — Continued
Quebec

1955	1956	1957	1958	1959	1960	1961	1962	No.
25,854,181	27,250,134	28,529,995	32,028,178	33,262,401	36,155,183	36,045,975	36,274,497	1
10,886,566	10,288,906	9,375,819	11,389,884	11,358,742	13,954,088	13,501,830	13,633,458	2
36,740,747	37,539,040	37,905,814	43,418,062	44,621,143	50,109,271	49,547,805	49,907,955	3
27,250	19,345	7,927	8,604	29,532	33,183	24,390	50,455	4
163,584	202,204	217,686	208,902	203,251	290,447	283,400	300,892	5
190,834	221,549	225,613	217,506	232,783	323,630	307,790	351,347	6
36,931,581	37,760,589	38,131,427	43,635,568	44,853,926	50,432,901	49,855,595	50,259,302	7
1,034	306	710	833	852	569	85	647	8
10,574	57,306	66,400	51,318	57,436	102,900	184,699	125,248	9
36,943,189	37,818,201	38,198,537	43,687,719	44,912,214	50,536,370	50,040,379	50,385,197	10
2,689,760	3,109,448	3,582,204	4,017,294	4,553,174	5,000,588	5,500,250	6,118,761	11
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23,649,068	23,145,105	23,002,859	26,544,195	26,745,458	31,450,603	29,952,738	28,763,197	18
1,017,490	1,159,422	1,095,977	1,094,105	1,226,912	1,277,748	1,410,076	1,604,208	19
24,666,558	24,304,527	24,098,836	27,638,300	27,972,370	32,728,351	31,362,814	30,367,405	20
1,169,080	1,147,237	812,945	781,964	1,184,618	936,531	1,179,025	1,442,513	21
1,196,118	1,291,314	1,420,404	1,507,370	1,669,531	1,799,100	2,009,603	2,248,508	22
97,273	104,929	115,800	123,636	116,183	149,959	166,992	203,514	23
2,462,471	2,543,480	2,349,149	2,412,970	2,970,332	2,885,590	3,355,620	3,894,535	24
2,308,301	2,543,806	2,591,911	2,856,401	2,983,863	3,386,665	3,539,992	3,708,901	25
—	36,133	83,817	229,529	184,414	1,109	8,680	70,438	26
32,127,090	32,537,394	32,705,917	37,154,494	38,664,153	44,002,303	43,767,356	44,160,040	27
665,519	673,620	549,040	526,336	555,358	569,074	406,814	299,468	28
4,150,580	4,607,187	4,943,580	6,006,889	5,692,703	5,964,993	5,866,209	5,925,689	29
36,943,189	37,818,201	38,198,537	43,687,719	44,912,214	50,536,370	50,040,379	50,385,197	30

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
Ontario

No.		1951	1952	1953	1954
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	15,726,748	16,722,830	16,323,488	18,994,868
2	Industries	1,380,329	1,383,343	1,576,649	1,678,798
3	Totals	17,107,077	18,106,173	17,900,137	20,673,666
	Thermal-generation (net):				
4	Utilities	112,494	419,025	1,773,947	962,697
5	Industries	721,747	706,891	683,087	666,058
6	Totals	834,241	1,125,916	2,457,034	1,628,755
7	Grand total generation (3+6)	17,941,318	19,232,089	20,357,171	22,302,421
8	Imports from United States	—	—	174,477	113,039
9	Imports from other provinces	5,060,223	5,001,367	4,757,955	4,483,226
10	Total supply of electric energy (7+8+9)	23,001,541	24,233,456	25,289,603	26,898,686
	Disposal of electric energy:				
11	Residential and farm	4,148,661	4,639,536	5,166,056	5,722,569
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	10,819,447	10,978,485	11,331,932	11,133,582
19	Mining consumption	1,184,449	1,159,423	1,133,795	1,196,133
20	Total industrial consumption (18+19)	12,003,896	12,137,908	12,465,727	12,329,715
	Commercial and other consumption:				
21	At power rates	944,302	1,167,365	1,188,280	1,597,660
22	At commercial rates	1,446,862	1,602,981	1,803,444	1,931,122
23	Street lighting	149,186	164,548	180,582	192,095
24	Totals (21+22+23)	2,540,350	2,934,894	3,172,306	3,720,877
25	Line loss, free service and unaccounted for	2,811,382	2,935,719	3,077,341	3,269,025
26	Residual error of estimate	—	—	—	—
27	Total provincial disposal (11+18+19+24+25+26)	21,504,289	22,648,057	23,881,430	25,042,186
28	Total exports to United States	1,490,714	1,576,721	1,399,307	1,846,659
29	Total exports to other provinces	6,538	8,678	8,866	9,841
30	Total disposal of electric energy (27+28+29)....	23,001,541	24,233,456	25,289,603	26,898,686

TABLE 17. Supply and Disposal of Electric Energy 1951 -62 — Continued
Ontario

1955	1956	1957	1958	1959	1960	1961	1962	No.
thousands of kilowatt-hours								
23,754,155	25,971,079	26,535,041	26,583,550	30,972,971	33,454,943	32,261,822	29,406,352	1
1,376,480	1,507,118	1,423,996	1,429,023	1,413,849	1,493,568	1,475,304	1,506,074	2
25,130,635	27,478,197	27,959,037	28,012,573	32,386,820	34,948,511	33,737,126	30,912,426	3
426,131	938,168	1,464,648	607,039	347,909	181,862	532,842	3,696,258	4
712,251	640,577	696,144	633,103	648,776	684,691	683,622	681,171	5
1,138,382	1,578,745	2,160,792	1,240,142	996,685	866,553	1,216,464	4,377,429	6
26,269,017	29,056,942	30,119,829	29,252,715	33,383,505	35,815,064	34,953,590	35,289,855	7
133,494	174,435	285,472	226,510	481,462	287,436	1,362,298	2,703,784	8
4,140,021	4,709,305	5,071,120	6,024,335	5,804,206	6,044,706	6,001,888	5,948,897	9
30,542,532	33,940,682	35,476,421	35,503,560	39,669,173	42,147,206	42,317,776	43,942,536	10
6,360,522	7,045,900	7,594,393	8,189,413	8,780,654	9,318,141	9,887,316	10,490,150	11
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11,994,908	12,844,362	13,422,568	13,310,293	15,012,867	15,579,234	15,673,250	16,502,861	18
1,242,794	1,634,423	1,907,547	2,299,372	2,300,703	2,286,664	2,041,911	1,879,592	19
13,237,702	14,478,785	15,330,115	15,609,665	17,313,570	17,865,898	17,715,161	18,382,453	20
1,688,961	1,643,276	1,753,977	1,437,461	1,892,136	2,095,230	2,288,658	2,576,633	21
2,145,430	2,418,518	2,609,398	2,833,584	3,067,538	3,365,929	3,765,600	4,143,848	22
200,000	212,535	228,684	244,962	264,160	281,023	301,341	325,648	23
4,034,391	4,274,329	4,592,059	4,516,007	5,223,834	5,742,182	6,355,599	7,046,129	24
3,311,105	3,781,393	3,750,744	3,813,302	4,346,858	4,388,383	4,328,292	4,234,495	25
—	— 51,042	— 36,431	— 79,431	— 52,352	— 157,497	— 9,632	— 12,372	26
26,943,720	29,529,365	31,230,880	32,048,956	35,612,564	37,157,107	38,276,736	40,140,855	27
3,588,238	4,385,356	4,222,225	3,404,051	3,865,099	4,759,717	3,526,310	3,550,796	28
10,574	25,961	23,316	50,553	191,510	230,382	514,730	250,885	29
30,542,532	33,940,682	35,476,421	35,503,560	39,669,173	42,147,206	42,317,776	43,942,536	30

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
Manitoba

No.		1951	1952	1953	1954
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	2,560,322	2,694,924	2,750,270	3,004,268
2	Industries	875	1,376	7,537	22,557
3	Totals	2,561,197	2,696,300	2,757,807	3,026,825
	Thermal-generation (net):				
4	Utilities	4,215	4,322	3,669	6,455
5	Industries	6,689	4,632	6,655	8,361
6	Totals	10,904	8,954	10,324	14,816
7	Grand total generation (3+6)	2,572,101	2,705,254	2,768,131	3,041,641
8	Imports from United States	664	723	804	868
9	Imports from other provinces	483,608	501,723	508,517	516,115
10	Total supply of electric energy (7+8+9)	3,056,373	3,207,700	3,277,452	3,558,624
	Disposal of electric energy:				
11	Residential and farm	759,478	825,457	898,876	1,003,027
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	932,286	1,006,346	1,005,029	1,036,504
19	Mining consumption	120,816	149,834	128,345	143,433
20	Total industrial consumption (18+19)	1,053,102	1,156,180	1,133,374	1,179,937
	Commercial and other consumption:				
21	At power rates	406,874	411,033	322,447	394,652
22	At commercial rates	198,226	216,755	230,186	250,374
23	Street lighting	28,005	28,498	29,116	29,617
24	Totals (21+22+23)	633,105	656,286	581,749	674,643
25	Line loss, free service and unaccounted for	317,387	301,361	317,023	346,325
26	Residual error of estimate	—	—	—	—
27	Total provincial disposal (11+18+19+24+25+26)	2,763,072	2,939,284	2,931,022	3,203,932
28	Total exports to United States	6	6	6	6
29	Total exports to other provinces ¹	293,295	268,410	346,424	354,686
30	Total disposal of electric energy (27+28+29)	3,056,373	3,207,700	3,277,452	3,558,624

¹ Includes re-exports to Saskatchewan.

TABLE 17. Supply and Disposal of Electric Energy 1951 - 62 — Continued
Manitoba

1955	1956	1957	1958	1959	1960	1961	1962	No.
thousands of kilowatt-hours								
3,099,880	3,330,439	3,331,922	3,080,140	3,540,427	3,614,725	3,536,544	4,165,963	1
24,928	15,955	18,474	33,026	40,000	45,195	52,698	54,623	2
3,124,808	3,346,394	3,350,396	3,113,166	3,580,427	3,659,920	3,589,242	4,220,586	3
4,056	3,249	9,099	133,878	57,996	75,761	249,614	138,731	4
8,225	15,661	17,894	5,976	4,820	6,230	7,753	7,288	5
12,281	18,910	26,993	139,854	62,816	81,991	257,367	146,019	6
3,137,089	3,365,304	3,377,389	3,253,020	3,643,243	3,741,911	3,846,609	4,366,605	7
993	817	—	—	—	—	—	—	8
524,890	555,617	505,855	540,238	728,451	789,259	1,030,184	854,143	9
3,662,972	3,921,738	3,883,244	3,793,258	4,371,694	4,531,170	4,876,793	5,220,748	10
1,079,155	1,172,579	1,247,563	1,337,932	1,388,330	1,454,613	1,611,758	1,622,841	11
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1,066,054	1,138,891	1,016,260	979,199	1,177,449	1,243,263	1,363,354	1,527,159	18
168,078	147,384	150,394	125,725	167,849	206,729	226,920	221,840	19
1,234,132	1,286,275	1,166,654	1,104,924	1,345,298	1,449,992	1,590,274	1,748,999	20
254,720	290,720	125,461	87,385	110,406	65,625	224,319	402,076	21
264,359	275,652	428,508	456,589	488,694	527,969	566,209	607,037	22
29,888	31,952	33,943	35,876	39,802	43,382	49,323	55,374	23
548,967	598,324	587,912	579,850	638,902	636,976	839,851	1,064,487	24
460,793	401,298	387,540	395,804	512,991	573,794	464,498	493,130	25
—	— 8,373	— 11,214	— 820	— 1,892	— 94,395	614	2,115	26
3,323,047	3,450,103	3,378,455	3,417,690	3,883,629	4,020,980	4,506,995	4,931,572	27
6	8	22	28	36	34	38	12	28
339,919	471,627	504,767	375,540	488,029	510,156	369,760	289,164	29
3,662,972	3,921,738	3,883,244	3,793,258	4,371,694	4,531,170	4,876,793	5,220,748	30

**TABLE 17. Supply and Disposal of Electric Energy 1951-62—Continued
Saskatchewan**

No.		1951	1952	1953	1954
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	516,142	544,447	553,459	559,300
2	Industries	1,760	1,738	1,170	4,186
3	Totals	517,902	546,185	554,629	563,486
	Thermal-generation (net):				
4	Utilities	462,631	534,862	620,672	732,979
5	Industries	19,526	27,789	40,353	40,995
6	Totals	482,157	562,651	661,025	773,974
7	Grand total generation (3 + 6)	1,000,059	1,108,836	1,215,654	1,337,460
8	Imports from United States	99	104	123	182
9	Imports from other provinces ²	293,295	268,410	346,424	354,686
10	Total supply of electric energy (7 + 8 + 9)	1,293,453	1,377,350	1,562,201	1,692,328
	Disposal of electric energy:				
11	Residential and farm	152,010	184,974	226,507	282,542
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	260,945	309,487	381,941	416,115
19	Mining consumption	136,129	88,049	110,835	114,160
20	Total industrial consumption (18 + 19)	397,074	397,536	492,776	530,275
	Commercial and other consumption:				
21	At power rates	76,322	71,439	78,938	83,781
22	At commercial rates	84,000	96,839	106,340	126,999
23	Street lighting	11,058	11,592	13,104	15,187
24	Totals (21 + 22 + 23)	171,380	179,870	198,382	225,967
25	Line loss, free service and unaccounted for	89,381	113,247	136,019	137,429
26	Residual error of estimate	—	—	—	—
27	Total provincial disposal (11+18+19+24+25+26)	809,845	875,627	1,053,684	1,176,213
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	483,608	501,723	508,517	516,115
30	Total disposal of electric energy (27 + 28 + 29)	1,293,453	1,377,350	1,562,201	1,692,328

² Includes re-imports.

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
Saskatchewan

1955	1956	1957	1958	1959	1960	1961	1962	No.
thousands of kilowatt-hours								
569,401	555,466	546,148	548,272	562,072	585,888	620,052	649,373	1
—	15,772	19,872	20,208	25,294	35,941	39,919	57,366	2
569,401	571,238	566,020	568,480	587,366	621,829	659,971	706,739	3
866,566	995,520	1,132,269	1,261,298	1,436,325	1,596,454	1,801,718	1,944,661	4
73,576	69,504	103,598	126,383	117,389	64,803	83,415	36,974	5
940,142	1,065,024	1,235,867	1,387,681	1,553,714	1,661,257	1,885,133	1,981,635	6
1,509,543	1,636,262	1,801,887	1,956,161	2,141,080	2,283,086	2,545,104	2,688,374	7
232	258	316	365	401	414	429	487	8
339,919	356,122	354,425	346,397	367,500	417,751	214,804	243,481	9
1,849,694	1,992,642	2,156,628	2,302,923	2,508,981	2,701,251	2,760,337	2,932,342	10
327,369	400,215	470,075	515,158	600,526	651,391	697,207	781,470	11
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437,993	447,746	462,924	463,001	502,914	577,552	404,708	411,407	18
127,400	211,523	219,398	250,036	273,391	242,710	204,418	222,071	19
565,393	659,269	682,322	713,037	776,305	820,262	609,126	633,478	20
103,696	88,054	121,051	164,352	89,938	126,487	261,737	254,763	21
133,891	158,358	166,344	163,257	277,904	290,093	252,081	284,110	22
15,772	19,291	19,725	21,006	20,536	20,469	22,187	24,888	23
253,359	265,703	307,120	348,615	388,378	437,049	536,005	563,761	24
178,683	114,718	195,400	228,263	195,262	248,658	323,227	306,545	25
—	— 2,729	— 2,608	— 6,179	— 4,562	— 33,172	— 30,157	—	26
1,324,804	1,437,176	1,652,309	1,798,894	1,955,909	2,124,188	2,135,408	2,285,254	27
—	—	—	—	—	—	—	—	28
524,890	555,466	504,319	504,029	553,072	577,063	624,929	647,088	29
1,849,694	1,992,642	2,156,628	2,302,923	2,508,981	2,701,251	2,760,337	2,932,342	30

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
Alberta

No.		1951	1952	1953	1954
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	501,027	760,296	796,106	857,150
2	Industries	—	—	—	—
3	Totals	501,027	760,296	796,106	857,150
	Thermal-generation (net):				
4	Utilities	495,918	413,706	543,821	641,335
5	Industries	28,460	30,093	42,509	59,023
6	Totals	524,378	443,799	586,330	700,358
7	Grand total generation (3+6)	1,025,405	1,204,095	1,382,436	1,557,508
8	Imports from the United States	299	345	345	—
9	Imports from other provinces	10,932	3,521	—	15,970
10	Total supply of electric energy (7+8+9)	1,036,636	1,207,961	1,382,781	1,573,478
	Disposal of electric energy:				
11	Residential and farm	199,287	233,236	282,152	355,643
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	334,373	364,851	424,786	469,292
19	Mining consumption	85,545	92,653	91,572	82,300
20	Total industrial consumption (18+19)	419,918	457,504	516,358	551,592
	Commercial and other consumption:				
21	At power rates	141,719	179,992	226,279	259,441
22	At commercial rates	137,446	154,751	167,527	189,067
23	Street lighting	16,107	16,811	17,805	18,476
24	Totals (21+22+23)	295,272	351,554	411,611	466,984
25	Line loss, free service and unaccounted for	118,609	159,306	172,120	199,259
26	Residual error of estimate	—	—	—	—
27	Total provincial disposal (11+18+19+24+25+26)	1,033,086	1,201,600	1,382,241	1,573,478
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	3,550	6,361	540	—
30	Total disposal of electric energy (27+28+29)	1,036,636	1,207,961	1,382,781	1,573,478

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
Alberta

1955	1956	1957	1958	1959	1960	1961	1962	No.
thousands of kilowatt-hours								
935,943	979,157	807,253	990,457	842,259	886,595	1,017,731	956,195	1
—	—	—	—	—	—	—	—	2
935,943	979,157	807,253	990,457	842,259	886,595	1,017,731	956,195	3
793,011	1,041,343	1,442,160	1,483,227	1,987,787	2,239,686	2,433,511	2,811,076	4
80,167	122,973	182,489	254,071	267,420	317,127	319,234	326,116	5
873,178	1,164,316	1,624,649	1,737,298	2,255,207	2,556,813	2,752,745	3,137,192	6
1,809,121	2,143,473	2,431,902	2,727,755	3,097,466	3,443,408	3,770,476	4,093,387	7
573	—	573	604	617	633	684	687	8
31,803	28,512	24,297	25,520	34,287	33,885	23,570	32,524	9
1,841,497	2,171,985	2,456,772	2,753,879	3,132,370	3,477,926	3,794,730	4,126,598	10
418,970	501,260	564,048	646,048	787,492	867,319	971,567	1,078,946	11
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542,453	639,347	786,001	870,053	920,010	988,708	1,052,618	1,099,753	18
86,718	105,712	109,222	102,944	130,380	171,398	148,645	204,137	19
629,171	745,059	895,223	972,997	1,050,390	1,160,106	1,201,263	1,303,890	20
314,442	376,553	436,366	511,040	540,839	613,565	636,067	599,687	21
215,617	245,244	276,551	299,204	340,339	380,560	523,249	607,735	22
22,992	25,585	29,853	38,393	47,696	53,733	63,170	71,700	23
553,051	647,382	742,770	848,637	928,874	1,047,858	1,222,486	1,279,122	24
240,305	255,191	260,902	290,851	350,373	424,389	435,626	461,424	25
—	23,093	— 9,310	—10,940	10,264	— 27,390	— 37,125	3,216	26
1,841,497	2,171,985	2,453,633	2,747,593	3,127,393	3,472,282	3,793,817	4,126,598	27
—	—	—	—	—	—	—	—	28
—	—	3,139	6,286	4,977	5,644	913	—	29
1,841,497	2,171,985	2,456,772	2,753,879	3,132,370	3,477,926	3,794,730	4,126,598	30

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
British Columbia

No.		thousands of kilowatt-hours			
		1951	1952	1953	1954
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	2,592,052	2,835,736	3,252,495	3,354,547
2	Industries	1,943,994	1,937,981	2,092,634	2,876,739
3	Totals	4,536,046	4,773,717	5,345,129	6,231,286
	Thermal-generation (net):				
4	Utilities	92,750	119,162	87,998	92,073
5	Industries	405,703	489,640	534,182	520,541
6	Totals	498,453	608,802	622,180	612,614
7	Grand total generation (3 + 6)	5,034,499	5,382,519	5,967,309	6,843,900
8	Imports from the United States	7,677	18,310	4,165	4,393
9	Imports from other provinces	3,550	6,361	540	—
10	Total supply of electric energy (7 + 8 + 9)	5,045,726	5,407,190	5,972,014	6,848,293
	Disposal of electric energy:				
11	Residential and farm	690,904	788,168	902,341	1,063,647
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	2,861,704	2,974,929	3,279,168	4,005,886
19	Mining consumption	277,412	327,924	328,842	383,618
20	Total industrial consumption (18 + 19)	3,139,116	3,302,853	3,608,010	4,389,504
	Commercial and other consumption:				
21	At power rates	300,197	320,547	275,662	325,118
22	At commercial rates	337,972	374,645	399,621	443,823
23	Street lighting	32,930	34,421	38,346	41,826
24	Totals (21 + 22 + 23)	671,099	729,613	713,629	810,767
25	Line loss, free service and unaccounted for	345,427	372,989	439,267	418,327
26	Residual error of estimate	—	—	—	—
27	Total provincial disposal (11+18+19+24+25+26)	4,846,546	5,193,623	5,663,247	6,682,245
28	Total exports to United States	188,248	210,046	308,767	150,078
29	Total exports to other provinces	10,932	3,521	—	15,970
30	Total disposal of electric energy (27 + 28 + 29)	5,045,726	5,407,190	5,972,014	6,848,293

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Continued
British Columbia

1955	1956	1957	1958	1959	1960	1961	1962	No.
thousands of kilowatt-hours								
3,797,185	4,074,749	4,118,052	5,308,059	5,781,342	5,985,887	6,302,285	6,778,666	1
3,952,138	5,275,809	5,998,284	5,946,684	5,919,897	6,614,607	5,997,345	6,889,919	2
7,749,323	9,350,558	10,116,336	11,254,743	11,701,239	12,600,494	12,299,630	13,668,585	3
126,123	147,084	147,422	172,629	195,391	219,158	256,143	353,220	4
540,857	573,086	460,279	455,331	476,587	588,731	648,680	630,272	5
666,980	720,170	607,701	627,960	671,978	807,889	904,823	983,492	6
8,416,303	10,070,728	10,724,037	11,882,703	12,373,217	13,408,383	13,204,453	14,652,077	7
22,233	51,906	541,378	16,159	28,519	53,102	17,006	57,363	8
—	—	3,139	2,081	—	3,024	913	—	9
8,438,536	10,122,634	11,268,554	11,900,943	12,401,736	13,464,509	13,222,372	14,709,440	10
1,256,002	1,445,059	1,657,619	1,775,996	1,963,660	2,102,048	2,199,441	2,374,596	11
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5,162,816	6,497,356	7,278,259	7,753,154	8,134,543	8,975,544	8,579,821	9,536,767	18
398,147	408,014	420,969	342,878	312,097	340,675	370,518	338,879	19
5,560,963	6,905,370	7,699,228	8,096,032	8,446,640	9,316,219	8,950,339	9,875,646	20
354,597	321,351	208,764	247,973	294,944	— 110,622	— 102,982 ^r	— 259,075	21
510,228	556,576	798,711	867,938	718,117	1,245,836	1,293,005	1,542,022	22
44,592	54,296	57,218	61,353	63,485	71,680	81,348	91,157	23
909,417	932,223	1,064,693	1,177,264	1,076,546	1,206,894	1,271,371 ^r	1,374,104	24
533,543	767,651	789,310	830,092	841,531	904,696	958,835	1,020,472	25
—	24,148	20,863	— 16,675	25,142	— 117,151	— 200,690 ^r	16,307	26
8,259,925	10,074,451	11,231,713	11,862,709	12,353,519	13,412,706	13,179,296	14,661,125	27
146,808	19,671	12,544	12,714	13,930	17,918	19,506	15,791	28
31,803	28,512	24,297	25,520	34,287	33,885	23,570	32,524	29
8,438,536	10,122,634	11,268,554	11,900,943	12,401,736	13,464,509	13,222,372	14,709,440	30

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Concluded
Yukon and Northwest Territories

No.		1951	1952	1953	1954
		thousands of kilowatt-hours			
	Supply of electric energy:				
	Hydro-generation (net):				
1	Utilities	30,762	38,008	52,622	54,958
2	Industries	47,011	51,361	46,563	48,445
3	Totals	77,773	89,369	99,185	103,403
	Thermal-generation (net):				
4	Utilities	1,275	1,310	1,441	1,892
5	Industries	10,327	10,716	10,860	10,887
6	Totals	11,602	12,026	12,301	12,779
7	Grand total generation (3+6)	89,375	101,395	111,486	116,182
8	Imports from United States	—	—	—	—
9	Imports from other provinces	—	—	—	—
10	Total supply of electric energy (7+8+9)	89,375	101,395	111,486	116,182
	Disposal of electric energy:				
11	Residential and farm	2,677	3,118	3,554	7,695
	Manufacturing consumption:				
12	Pulp and paper				
13	Smelting and refining				
14	Chemicals				
15	Primary iron and steel				
16	Abrasives				
17	Other manufacturing				
18	Total manufacturing consumption (12 to 17)	370	799	1,147	1,441
19	Mining consumption	57,877	82,015	90,806	95,740
20	Total industrial consumption (18+19)	58,247	82,814	91,953	97,181
	Commercial and other consumption:				
21	At power rates	21,816	7,994	5,837	6,353
22	At commercial rates	2,147	2,915	3,865	1,938
23	Street lighting	248	193	200	224
24	Totals (21+22+23)	24,211	11,102	9,902	8,515
25	Line loss, free service and unaccounted for	4,240	4,361	6,077	2,791
26	Residual error of estimate	—	—	—	—
27	Total provincial disposal (11+18+19+24+25+26)	89,375	101,395	111,486	116,182
28	Total exports to United States	—	—	—	—
29	Total exports to other provinces	—	—	—	—
30	Total disposal of electric energy (27+28+29)	89,375	101,395	111,486	116,182

TABLE 17. Supply and Disposal of Electric Energy 1951-62 — Concluded
Yukon and Northwest Territories

1955	1956	1957	1958	1959	1960	1961	1962	No.
thousands of kilowatt-hours								
60,826	62,283	69,162	88,090	105,270	111,734	133,508	150,340	1
54,771	52,388	52,479	53,629	48,855	48,058	48,522	48,100	2
115,597	114,671	121,641	141,719	154,125	159,792	182,030	198,440	3
3,259	1,873	4,247	7,491	11,692	17,984	26,266	29,654	4
12,482	12,937	31,101	18,827	19,009	11,343	9,808	2,905	5
15,741	14,810	35,348	26,318	30,701	29,327	36,074	32,559	6
131,338	129,481	156,989	168,037	184,826	189,119	218,104	230,999	7
—	—	—	—	—	—	—	—	8
—	—	—	—	—	—	—	—	9
131,338	129,481	156,989	168,037	184,826	189,119	218,104	230,999	10
9,339	8,646	7,268	8,536	10,201	13,270	15,774	19,952	11
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								17
1,410	1,421	1,789	1,986	2,479	2,215	1,911	3,604	18
108,113	104,002	116,005	127,086	110,879	110,552	118,538	127,060	19
109,523	105,423	117,794	129,072	113,358	112,767	120,449	130,664	20
6,836	2,399	1,296	8,456	38,369	36,001	49,820	39,295	21
2,301	2,682	8,138	5,817	14,082	14,139	10,094	12,878	22
212	229	192	214	198	262	222	311	23
9,349	5,310	9,626	14,487	52,649	50,402	60,136	52,484	24
3,127	9,031	2,448	12,392	11,589	12,615	24,214	27,899	25
—	1,071	19,853	3,550	— 2,971	65	— 2,469	—	26
131,338	129,481	156,989	168,037	184,826	189,119	218,104	230,999	27
—	—	—	—	—	—	—	—	28
—	—	—	—	—	—	—	—	29
131,338	129,481	156,989	168,037	184,826	189,119	218,104	230,999	30

